



SITE NUMBER: CAL00570
SITE NAME: HIGHLAND TRAILS
16225 HIGHLAND TRAILS DRIVE
RAMONA, CA 92065

PACE #:MRSDL013492, CASPR #: 3601A06KEC, FA #: 12939057

SITE INFORMATION

PROPERTY OWNER: ANTHONY S. ELLSWORTH
ADDRESS: 16225 HIGHLAND TRAILS DRIVE
RAMONA, CA 92065
PH: (619) 890-7500
EMAIL: tony.ellsworth@gmail.com

LANDLORD REP: TUNG BUI
CELLWAVES
EMAIL: tung@cellwaves.net
PHONE: (425) 345-8864

APPLICANT: AT&T
ADDRESS: 5738 PACIFIC CENTER BLVD.
SAN DIEGO, CA 92121

ASSESSOR'S PARCEL NO.: 276-100-56-00, 276-100-57-00 &
276-100-45-00

LATITUDE (NAD 83): 33° 03' 10.75" N
LONGITUDE (NAD 83): 116° 58' 05.08" W

GROUND ELEVATION: 1535.54' AMSL

ZONING JURISDICTION: COUNTY OF SAN DIEGO

ZONING CLASSIFICATION: A72

OCCUPANCY GROUP: U

TYPE OF CONSTRUCTION: V-B

PROPOSED LEASE AREA: EQUIPMENT ENCLOSURE: 180 SQ.FT.
ANTENNA AREA (MONOPINE): 490 SQ.FT.
TOTAL LEASE AREA: 670 SQ.FT.

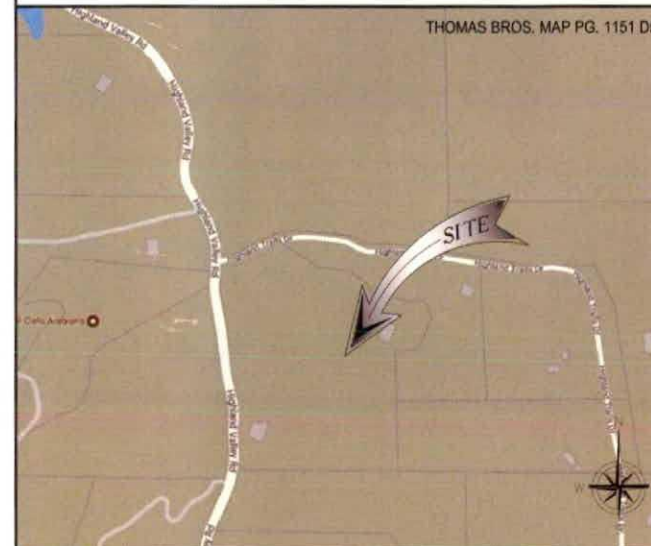
APPROX. EARTHWORK CALCULATION: ±88 CUBIC YARDS (±265' IN LENGTH)

PROJECT DESCRIPTION

AT&T WIRELESS PROPOSES TO CONSTRUCT A WIRELESS COMMUNICATION FACILITY. THE SCOPE WILL CONSIST OF THE FOLLOWING:

- INSTALL TELECOMMUNICATION EQUIPMENT INSIDE 18'x10'x8' HIGH CMU WALL ENCLOSURE
- INSTALL (2) GPS ANTENNA MOUNTED ON CMU WALL ENCLOSURE
- INSTALL (1) NEW METER PEDESTAL
- INSTALL (1) 40'-0" MONOPINE
- INSTALL (12) 6' PANEL ANTENNAS ON NEW MONOPINE
- INSTALL (18) RRUS BEHIND PANEL ANTENNAS ON NEW MONOPINE
- INSTALL (1) 4'x MICROWAVE ANTENNA ON NEW MONOPINE
- INSTALL (4) SURGE SUPPRESSOR ON NEW MONOPINE
- INSTALL (3) WCS FILTERS BELOW PANEL ANTENNAS ON NEW MONOPINE

VICINITY MAP



DRAWING INDEX

SHEET NO:	SHEET TITLE
T-1	TITLE SHEET
LS-1	TOPOGRAPHIC SURVEY
LS-2	TOPOGRAPHIC SURVEY
A-1	SITE PLAN
A-2	ENLARGED SITE PLAN
A-3	EQUIPMENT LAYOUT, ANTENNA LAYOUT AND ANTENNA SCHEDULE
A-4	ELEVATIONS
A-5	ELEVATIONS
A-6	EQUIPMENT DETAILS
A-7	EQUIPMENT DETAILS
A-8	BMP SITE PLAN

GENERAL NOTES

THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS REQUIREMENTS ARE NOT REQUIRED IN ACCORDANCE WITH THE 2016 CALIFORNIA BUILDING CODE. A TECHNICIAN WILL VISIT THE SITE AS REQUIRED FOR ROUTINE MAINTENANCE. THE PROJECT WILL NOT RESULT IN ANY SIGNIFICANT DISTURBANCE OR EFFECT ON DRAINAGE; NO SANITARY SEWER SERVICE, POTABLE WATER, OR TRASH DISPOSAL IS REQUIRED AND NO COMMERCIAL SIGNAGE IS NEW.

PROJECT TEAM

PROJECT MANAGER:
M&M TELECOM INC.
6886 MIMOSA DRIVE
CARLSBAD, CA 92011
CONTACT: REBECCA KAPONO
PHONE: (619) 602-5600
EMAIL: rebecca.kapono@mmtelcominc.com

ENGINEERING:
CELLSIUS ENGINEERING GROUP
10650 SCRIPPS RANCH BLVD., SUITES 114
SAN DIEGO, CA 92131
CONTACT: SEV FRANCISCO
PHONE: (949) 522-1066
EMAIL: sev.francisco@cellsius.net

SITE ACQUISITION:
M&M TELECOM INC.
6886 MIMOSA DRIVE
CARLSBAD, CA 92011
CONTACT: NICOLE MEYERS
PHONE: (760) 454-4505
EMAIL: nicole.meyers@mmtelcominc.com

ZONING:
M&M TELECOM INC.
6886 MIMOSA DRIVE
CARLSBAD, CA 92011
CONTACT: MORGAN NORVILLE
PHONE: (510) 508-9392
EMAIL: morgan.norville@mmtelcominc.com

RF ENGINEER:
AT&T
5738 PACIFIC CENTER BLVD.
SAN DIEGO, CA 92121
CONTACT: RAVI KANT JINDAL
PHONE: (925) 922-4394
EMAIL: rj096d@att.com

CONSTRUCTION:
ANSCO, LLC
CONTACT: DENNIS OLSON
PHONE:
EMAIL: dennis.olson@anscoll.com

APPLICABLE CODES

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES.

- CALIFORNIA ADMINISTRATIVE CODE (INCL TITLE 24 & 25)
- 2016 CALIFORNIA BUILDING CODE
- CITY/COUNTY ORDINANCES
- BUILDING OFFICIALS & CODE ADMINISTRATORS (BOCA)
- 2016 CALIFORNIA MECHANICAL CODE
- ANSI/EIA-222-G LIFE SAFETY CODE NFPA-101
- 2016 CALIFORNIA PLUMBING CODE
- 2016 CALIFORNIA ELECTRICAL CODE
- 2016 LOCAL BUILDING CODE

DRIVING DIRECTIONS

DIRECTIONS FROM AT&T SAN DIEGO OFFICE:

1. START OUT GOING EAST ON TRADE ST TOWARD CARROLL WAY.
2. TAKE THE 1ST RIGHT ONTO CARROLL WAY.
3. TURN LEFT ONTO CARROLL RD.
4. TURN LEFT ONTO MIRAMAR RD.
5. MERGE ONTO I-15 N/ESCONDIDO FWY N.
6. TAKE THE POMERADO RD/WEST BERNARDO DR EXIT, EXIT 26.
7. TURN RIGHT ONTO POMERADO RD.
8. TAKE THE 1ST LEFT ONTO HIGHLAND VALLEY RD.
9. 16225 HIGHLAND TRAILS DR, RAMONA, CA 92065 IS ON THE RIGHT SIDE.

APPROVALS

THE FOLLOWING PARTIES HEREBY APPROVE AND ACCEPT THESE DOCUMENTS & AUTHORIZE THE SUBCONTRACTOR TO PROCEED WITH THE CONSTRUCTION DESCRIBED HEREIN. ALL DOCUMENTS ARE SUBJECT TO REVIEW BY THE LOCAL BUILDING DEPARTMENT & MAY IMPOSE CHANGES OR MODIFICATIONS.

PRINT NAME	SIGNATURE	DATE
PROPERTY OWNER:		
SAC REPRESENTATIVE:		
PRE CON MANAGER:		
DEVELOP MANAGER:		
ZONING MANAGER:		
A/E MANAGER:		
RF ENGINEER:		
OPERATIONS:		
UTILITIES:		

DO NOT SCALE DRAWINGS

SUBCONTRACTOR SHALL VERIFY ALL PLANS, EXISTING DIMENSIONS & FIELD CONDITIONS ON THE JOB SITE & SHALL IMMEDIATELY NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.



Dig Alert

Know what's below.
Call before you dig.

Call Two Working Days Before You Dig!
811 / 800-227-2600
digalert.org

ACCESSIBILITY NOTE

THE TELECOMMUNICATIONS EQUIPMENT SPACE SHOWN ON THESE PLANS IS NOT CUSTOMARILY OCCUPIED. WORK TO BE PERFORMED IN THIS FACILITY CANNOT REASONABLY BE PERFORMED BY PERSONS WITH A SEVERE IMPAIRMENT: MOBILITY, SIGHT, AND/OR HEARING. THEREFORE, PER 2013 CALIFORNIA BUILDING CODE SECTION 1105B.3.4, AND/OR 11B-203.5 OF 2013 CALIFORNIA BUILDING CODE, EXCEPTION 1, THIS FACILITY SHALL BE EXEMPTED FROM ALL TITLE 24 ACCESS REQUIREMENTS.



75738 PACIFIC CENTER BLVD.
SAN DIEGO, CA 92121



6886 MIMOSA DRIVE
CARLSBAD, CA 92011



10650 SCRIPPS RANCH BLVD.,
SUITE 114
SAN DIEGO, CA 92131
tel: (858) 368-9241 | fax: (888) 505-2977

REV	DATE	DESCRIPTION
2	09/20/2017	PLANNING COMMENTS
1	09/07/2017	PLANNING COMMENTS
0	07/26/2017	100% ZD's
A	05/18/2017	90% ZD's FOR REVIEW

ISSUED DATE: **SEPTEMBER 25, 2017**

ISSUED FOR: **100% ZD SET**

LICENSURE:

SDC PDS RCVD 01-09-18

MUP17-011

PROJECT INFORMATION:
CAL00570
HIGHLAND TRAILS
16225 HIGHLAND TRAILS DRIVE
RAMONA, CA 92065

DRAWN BY: SVF
CHECKED BY: RGG

SHEET TITLE: **TITLE SHEET**

SHEET NUMBER: **T-1**

APN: 276-100-56-00
SITE ADDRESS
16225 HIGHLAND TRAILS DRIVE, RAMONA, CA 92065

RECORD OWNER
ANTHONY S. ELLSWORTH, TRUSTEE OF THE ANTHONY S. ELLSWORTH FAMILY TRUST,
DATED SEPTEMBER 29, 2009.

TITLE REPORT
TITLE GUARANTEE WAS PREPARED BY COMMONWEALTH LAND TITLE INSURANCE
COMPANY WITH ORDER NUMBER 09203711-920-CMM-CMB DATED APRIL 28, 2017
BASIS OF BEARING
THE CENTERLINE OF HIGHLAND VALLEY ROAD WITH BEARING OF N08°10'35"W WAS
USED AS BASIS OF BEARING FOR THIS SURVEY.

BENCH MARK
SITE ELEVATIONS ARE ESTABLISHED FROM THE GPS DERIVED ORTHOMETRIC HEIGHTS
BY APPLICATION OF NOS "GEOID 12A" MODELED SEPARATIONS TO ELLIPSOID
HEIGHTS DETERMINED BY OBSERVATIONS OF THE "LEICA SMARTNET" REAL TIME
NETWORK. ALL ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD88

FLOOD ZONE
SITE IS LOCATED IN FLOOD ZONE "X" AS PER F.I.R.M. MAP NO. 06073C1112H
EFFECTIVE DATE APRIL 5, 2016

LEGAL DESCRIPTION

ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA,
DESCRIBED AS FOLLOWS:

PARCEL A:

PARCEL A OF THAT CERTAIN CERTIFICATE OF COMPLIANCE NO. C01-0198, IN THE COUNTY OF SAN
DIEGO, STATE OF CALIFORNIA, RECORDED JANUARY 10, 2002 AS INSTRUMENT NO. 2002-0022133 OF
OFFICIAL RECORDS

PARCEL B:

AN EASEMENT AND RIGHT OF WAY FOR INGRESS AND EGRESS, ROAD AND UTILITY PURPOSES,
APPURTENANCES THERETO, OVER, UNDER, ALONG AND ACROSS A STRIP OF LAND 20.00 FEET IN
WIDTH OVER THOSE PORTIONS OF PARCELS 2 AND 3 OF SAID PARCEL MAP 11546, THE CENTER LINE
OF SAID EASEMENT DESCRIBED AS FOLLOWS:
BEGINNING AT THE NORTHWEST CORNER OF SAID PARCEL 3;
THENCE SOUTH ALONG THE WESTERLY BOUNDARY A DISTANCE OF 30.43 FEET TO THE SOUTHERLY
EDGE OF A 30.00 FOOT EASEMENT AS SHOWN ON SAID PARCEL MAP;
THENCE SOUTH 80° 25' 24" EAST ALONG SAID EASEMENT A DISTANCE OF 17.74 FEET TO THE TRUE
POINT OF BEGINNING;
THENCE SOUTH 02° 11' 16" WEST A DISTANCE OF 203.22 FEET;
THENCE SOUTH 33° 16' 36" WEST A DISTANCE OF 24.71 FEET TO THE WESTERLY BOUNDARY LINE OF
SAID PARCEL 3;
THENCE CONTINUING SOUTH 33° 16' 36" WEST THROUGH PARCEL 2 OF SAID PARCEL MAP A
DISTANCE OF 56.26 FEET;
THENCE NORTH 00° 48' 08" WEST A DISTANCE OF 142.86 FEET;
THENCE NORTH 73° 01' 38" WEST A DISTANCE OF 134.04 FEET;
THENCE SOUTH 82° 47' 17" WEST A DISTANCE OF 98.71 FEET;
THENCE NORTH 81° 26' 01" WEST A DISTANCE OF 69.04 FEET;
THENCE SOUTH 84° 12' 55" WEST A DISTANCE OF 77.13 FEET;
THENCE SOUTH 71° 04' 37" WEST A DISTANCE OF 19.29 FEET TO THE WESTERLY BOUNDARY OF SAID

PARCEL 2 AS SHOWN ON BOUNDARY ADJUSTMENT PLAT NUMBER BC
99-0186 AND DESCRIBED IN
CERTIFICATE OF COMPLIANCE AS INSTRUMENT NO. 2000-0010410 FILED IN
THE OFFICE OF THE
COUNTY RECORDER OF SAN DIEGO COUNTY ON JANUARY 7, 2000

PARCEL C:

AN EASEMENT AND RIGHT OF WAY FOR INGRESS AND EGRESS, ROAD AND
UTILITY PURPOSES,
INCLUDING BUT NOT LIMITED TO ELECTRIC POWER, TELEPHONE, GAS, WATER,
SEWER AND CABLE
TELEVISION LINES AND APPURTENANCES THERETO, OVER, UNDER, ALONG AND
ACROSS A STRIP OF
LAND 30.00 FEET IN WIDTH, THE SOUTHERLY AND WESTERLY LINES, BEING
THE NORTHERLY AND
EASTERLY LINES OF THE BOUNDARY OF PARCEL MAP NO. 11546, IN THE
COUNTY OF SAN DIEGO,
STATE OF CALIFORNIA, FILED IN THE OFFICE OF THE COUNTY RECORDER OF
SAN DIEGO COUNTY,
JULY 30, 1981.

SCHEDULE B

ITEMS A-C, 21, 22 ARE TAX/LIEN RELATED
ITEMS 1 ARE RIGHTS RELATED
ITEMS 9, 16-19 ARE DEED RELATED
(SEE LS2 FOR CONTINUATION)

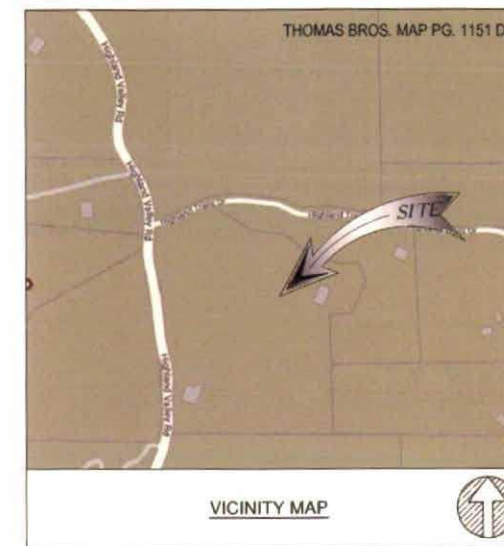
NOTES:

- THIS IS NOT A BOUNDARY SURVEY. THIS IS A SPECIALIZED TOPOGRAPHIC MAP.
THE PROPERTY LINES AND EASEMENTS SHOWN HEREON ARE FROM RECORD
INFORMATION AS NOTED HEREON. CELLSIUS ENGINEERING GROUP TRANSLATED
THE TOPOGRAPHIC SURVEY TO RECORD INFORMATION USING FOUND
MONUMENTS SHOWN HEREON.
- ANY CHANGES MADE TO THE INFORMATION ON THIS PLAN, WITHOUT THE
WRITTEN CONSENT OF CELLSIUS, RELIEVES CELLSIUS ENGINEERING GROUP OF
ANY AND ALL LIABILITY.
- THESE DRAWINGS & SPECIFICATIONS ARE THE PROPERTY & COPYRIGHT OF
CELLSIUS ENGINEERING GROUP & SHALL NOT BE USED ON ANY OTHER WORK
EXCEPT BY AGREEMENT WITH THE SURVEYOR. WRITTEN DIMENSIONS SHALL
TAKE PRECEDENCE OVER SCALED & SHALL BE VERIFIED ON THE JOB SITE.
ANY DISCREPANCY SHALL BE BROUGHT TO THE NOTICE OF THE SURVEYOR
PRIOR TO COMMENCEMENT OF ANY WORK.
- FIELD SURVEY COMPLETED ON MAY 05, 2017

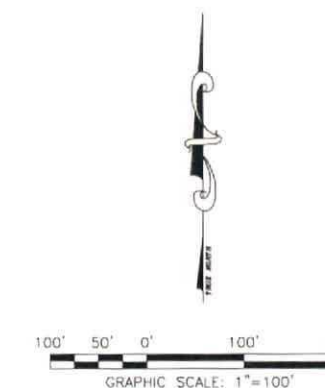
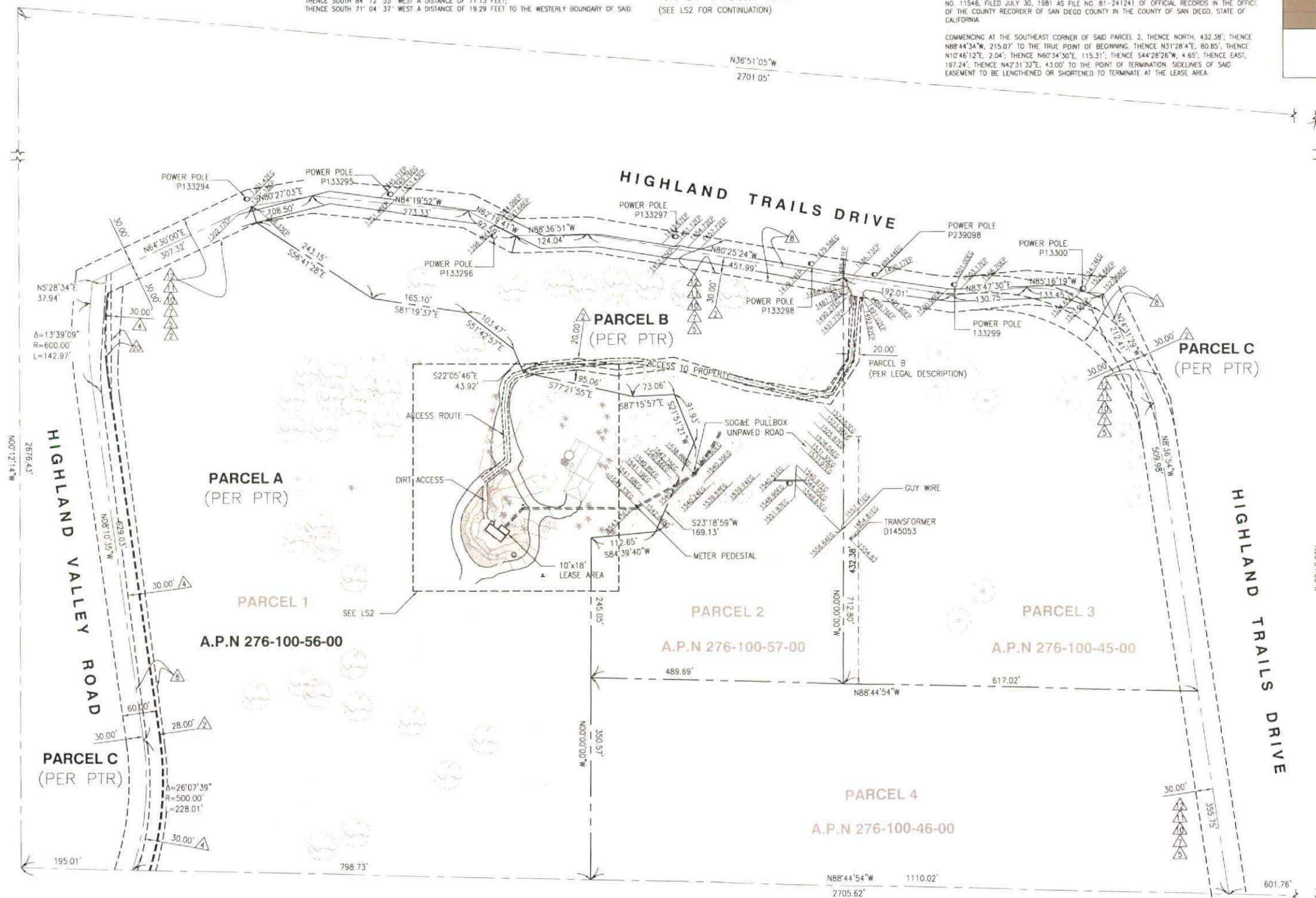
UTILITY EASEMENT

A 3' WIDE STRIP OF LAND LYING WITHIN THAT PORTION OF PARCEL 1 AND 2 OF PARCEL MAP
NO. 11546, FILED JULY 30, 1981 AS FILE NO. 81-241241 OF OFFICIAL RECORDS IN THE OFFICE
OF THE COUNTY RECORDER OF SAN DIEGO COUNTY IN THE COUNTY OF SAN DIEGO, STATE OF
CALIFORNIA

COMMENCING AT THE SOUTHEAST CORNER OF SAID PARCEL 2, THENCE NORTH, 432.38'; THENCE
N88°44'34"W, 215.07' TO THE TRUE POINT OF BEGINNING, THENCE N31°28'4"E, 80.85'; THENCE
N10°46'12"E, 2.04'; THENCE N60°34'30"E, 115.31'; THENCE S44°28'26"W, 4.65'; THENCE EAST,
197.24'; THENCE N47°31'32"E, 43.00' TO THE POINT OF TERMINATION. SIDELINES OF SAID
EASEMENT TO BE LENGTHENED OR SHORTENED TO TERMINATE AT THE LEASE AREA.



VICINITY MAP



REV	DATE	DESCRIPTION
1	07/06/2017	FINAL SURVEY

ISSUED DATE:
JULY 6, 2017

ISSUED FOR:
FINAL SURVEY

LICENSURE:

PROJECT INFORMATION:
CAL00570
HIGHLAND TRAILS
16225 HIGHLAND TRAILS DR
RAMONA, CA 92065

DRAWN BY: LJ
CHECKED BY: AJK

SHEET TITLE:
TOPOGRAPHIC
SURVEY

SHEET NUMBER:
LS-1

SCHEDULE B

△ EASEMENT(S) OR RIGHT(S) OF WAY FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED AND/OR RESERVED IN VARIOUS DEEDS OF RECORD:
PURPOSE: INGRESS AND EGRESS, PIPELINES, DRAINAGE AND/OR PUBLIC UTILITIES AND INCIDENTAL PURPOSES THERETO OVER, UNDER, ALONG AND ACROSS THE EASEMENT PARCEL(S) HEREIN DESCRIBED
AFFECTS: PARCELS B AND C

3. EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT:
GRANTED TO: STONE & YOUNGBERG, A PARTNERSHIP
PURPOSE: VEHICULAR ACCESS
RECORDING DATE: APRIL 28, 1969
RECORDING NO: AS INSTRUMENT NO. 73400 OF OFFICIAL RECORDS

THE EXACT LOCATION AND EXTENT OF SAID EASEMENT IS NOT DISCLOSED OF RECORD.

△ AN IRREVOCABLE OFFER TO DEDICATE AN EASEMENT OVER A PORTION OF SAID LAND FOR
PURPOSE(S): PUBLIC HIGHWAY
RECORDING DATE: APRIL 7, 1975
RECORDING NO: AS INSTRUMENT NO. 75-079117 OF OFFICIAL RECORDS
AFFECTS: SAID LAND MORE PARTICULARLY DESCRIBED THEREIN.

△ EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO AS RESERVED IN A DOCUMENT:
PURPOSE: ROAD AND UTILITY
RECORDING DATE: JULY 14, 1977
RECORDING NO: AS INSTRUMENT NO. 77-280760 OF OFFICIAL RECORDS
AFFECTS: SAID LAND MORE PARTICULARLY DESCRIBED THEREIN. SAID EASEMENT HAS BEEN GRANTED AND/OR RESERVED IN VARIOUS INSTRUMENTS OF RECORD.

6. EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT:
GRANTED TO: CHARLES W. FROELICH, JR.
PURPOSE: CONSTRUCTION AND MAINTENANCE OF WATER PIPELINES AND FOR THE TRANSMISSION AND DISTRIBUTION OF WATER
RECORDING DATE: SEPTEMBER 26, 1975
RECORDING NO: AS INSTRUMENT NO. 75-264072 OF OFFICIAL RECORDS

THE EXACT LOCATION AND EXTENT OF SAID EASEMENT IS NOT DISCLOSED OF RECORD.

△ EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT:
GRANTED TO: RAMONA MUNICIPAL WATER DISTRICT
PURPOSE: LOCATING, RELOCATING, CONSTRUCTING, RECONSTRUCTING, MAINTAINING, OPERATING, INSPECTING AND REPAIRING A PIPELINE OR PIPELINES AND ALL FIXTURES AND APPURTENANCES INCIDENTAL THERETO FOR USE IN CONNECTION THEREWITH, FOR THE TRANSMISSION AND DISTRIBUTION OF WATER AND ALL USES AND PURPOSES INCIDENTAL THERETO
RECORDING DATE: JANUARY 19, 1981
RECORDING NO: AS INSTRUMENT NO. 81-016744 OF OFFICIAL RECORDS
AFFECTS: SAID LAND MORE PARTICULARLY DESCRIBED THEREIN.

△ AN IRREVOCABLE OFFER TO DEDICATE AN EASEMENT OVER A PORTION OF SAID LAND FOR
PURPOSE(S): PUBLIC HIGHWAY
RECORDING DATE: JULY 22, 1981
RECORDING NO: AS INSTRUMENT NO. 81-231158 OF OFFICIAL RECORDS
AFFECTS: PARCEL A
SAID INSTRUMENT ALSO GRANTS THE RIGHT TO EXTEND AND MAINTAIN DRAINAGE STRUCTURES AND EXCAVATION AND EMBANKMENT SLOPES BEYOND THE LIMITS OF SAID RIGHT OF WAY WHERE REQUIRED FOR CONSTRUCTION AND MAINTENANCE.

△ EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS DELINEATED ON OR AS OFFERED FOR
DEDICATION ON
MAP/PLAT: PARCEL MAP NO. 11546
PURPOSE: PROPOSED PRIVATE ROAD
AFFECTS: SAID LAND MORE PARTICULARLY DESCRIBED THEREIN.

△ EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT:
GRANTED TO: SAN DIEGO GAS & ELECTRIC COMPANY, A CORPORATION
PURPOSE: PUBLIC UTILITIES
RECORDING DATE: MARCH 1, 1988
RECORDING NO: AS INSTRUMENT NO. 88-093252 OF OFFICIAL RECORDS
AFFECTS: SAID LAND MORE PARTICULARLY DESCRIBED THEREIN.

△ EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT:
GRANTED TO: RAMONA MUNICIPAL WATER DISTRICT
PURPOSE: WATER LINES AND APPURTENANCES
RECORDING DATE: JULY 8, 1999
RECORDING NO: AS INSTRUMENT NO. 1999-0475651 OF OFFICIAL RECORDS
AFFECTS: SAID LAND MORE PARTICULARLY DESCRIBED THEREIN.

13. EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT:
GRANTED TO: SAN DIEGO GAS & ELECTRIC COMPANY, A CORPORATION
PURPOSE: PUBLIC UTILITIES
RECORDING DATE: JULY 10, 2000
RECORDING NO: AS INSTRUMENT NO. 2000-0361151 OF OFFICIAL RECORDS

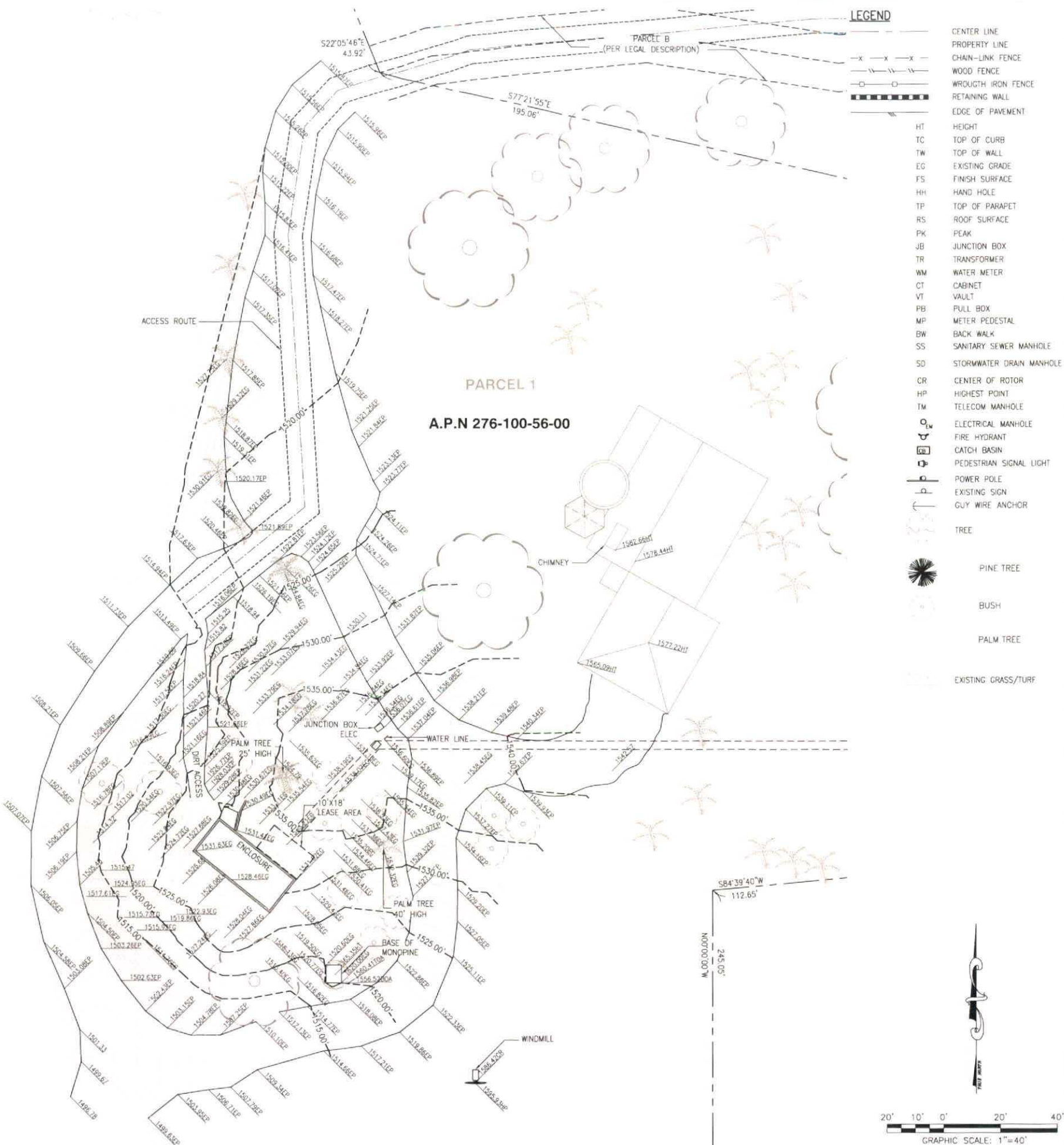
THE EXACT LOCATION AND EXTENT OF SAID EASEMENT IS NOT DISCLOSED OF RECORD. DOES NOT AFFECT VERIZON LEASE AREA.

△ EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO AS RESERVED IN A DOCUMENT:
PURPOSE: ROAD AND UTILITY, INCLUDING BUT NOT LIMITED TO ELECTRIC POWER, TELEPHONE, GAS, WATER, SEWER AND CABLE TELEVISION LINES AND APPURTENANCES THERETO
RECORDING DATE: MARCH 26, 2001
RECORDING NO: AS INSTRUMENT NO. 2001-0172626 OF OFFICIAL RECORDS
AFFECTS: SAID LAND MORE PARTICULARLY DESCRIBED THEREIN.
SAID EASEMENT HAS BEEN GRANTED AND/OR RESERVED IN VARIOUS INSTRUMENTS OF RECORD.

15. EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT:
GRANTED TO: SAN DIEGO GAS & ELECTRIC COMPANY
PURPOSE: PUBLIC UTILITIES
RECORDING DATE: JULY 25, 2002
RECORDING NO: AS INSTRUMENT NO. 2002-0624425 OF OFFICIAL RECORDS

THE EXACT LOCATION AND EXTENT OF SAID EASEMENT IS NOT DISCLOSED OF RECORD. DOES NOT AFFECT VERIZON LEASE AREA.

△ EASEMENT(S) FOR THE PURPOSE(S) SHOWN BELOW AND RIGHTS INCIDENTAL THERETO, AS GRANTED IN A DOCUMENT:
GRANTED TO: COUNTY OF SAN DIEGO, A POLITICAL SUBDIVISION OF THE STATE OF CALIFORNIA
PURPOSE: CLEAR SPACE
RECORDING DATE: AUGUST 3, 2012
RECORDING NO: AS INSTRUMENT NO. 2012-0457070 OF OFFICIAL RECORDS
AFFECTS: SAID LAND MORE PARTICULARLY DESCRIBED THEREIN.



REV	DATE	DESCRIPTION
1	07/06/2017	FINAL SURVEY

ISSUED DATE: JULY 6, 2017

ISSUED FOR: FINAL SURVEY

LICENSURE:

PROJECT INFORMATION:

CAL00570
HIGHLAND TRAILS
16225 HIGHLAND TRAILS DR
RAMONA, CA 92065

DRAWN BY: LJ

CHECKED BY: AJK

SHEET TITLE: TOPOGRAPHIC SURVEY

SHEET NUMBER: LS-2

NOTES:
1. NO EXISTING PARKING STALLS ARE BEING ADDED OR REMOVED AS PART OF THE PROPOSED INSTALLATION.
2. THE PROPOSED LAYOUT IS PRELIMINARY AND SUBJECT TO CHANGE PENDING GEOTECHNICAL/SOILS REPORT.



75736 PACIFIC CENTER BLVD.
SAN DIEGO, CA 92121



6886 MIMOSA DRIVE
CARLSBAD, CA 92011



10850 SCRIPPS RANCH BLVD.,
SUITE 114
SAN DIEGO, CA 92131
tel: (858) 368-9241 | fax: (858) 505-2977

REV	DATE	DESCRIPTION
2	09/20/2017	PLANNING COMMENTS
1	09/07/2017	PLANNING COMMENTS
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A	05/18/2017	90% ZD's FOR REVIEW

ISSUED DATE:
SEPTEMBER 25, 2017

ISSUED FOR:
100% ZD SET

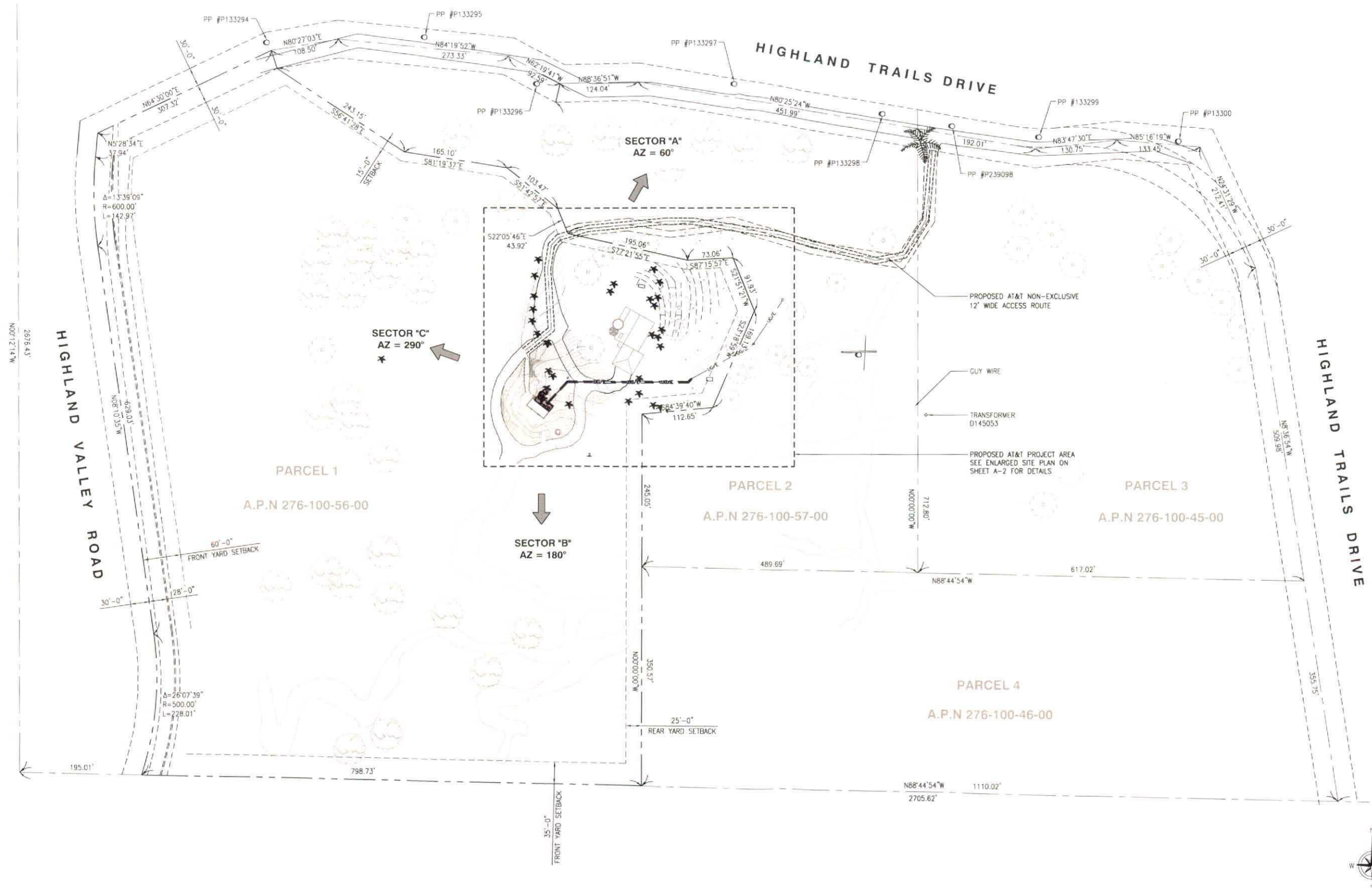
LICENSURE:

PROJECT INFORMATION:
CAL00570
HIGHLAND TRAILS
16225 HIGHLAND TRAILS DRIVE
RAMONA, CA 92065

DRAWN BY: SVF
CHECKED BY: RGG

SHEET TITLE:
SITE PLAN

SHEET NUMBER:
A-1



- NOTES:
1. NO EXISTING PARKING STALLS ARE BEING ADDED OR REMOVED AS PART OF THE PROPOSED INSTALLATION.
 2. THE PROPOSED LAYOUT IS PRELIMINARY AND SUBJECT TO CHANGE PENDING GEOTECHNICAL/SOILS REPORT.
 3. PROPOSED POWER AND TELCO PLAN IS PRELIMINARY AND SUBJECT TO CHANGE PENDING FINAL DESIGN FROM THE UTILITY COMPANY.
 4. PROPOSED AT&T ELECTRICAL ROUTE WILL BE IN A NEW CONDUIT TRENCH FROM NEW METER PEDESTAL TO EQUIPMENT ENCLOSURE.
 5. PROPOSED AT&T TELCO/FIBER/DC TRUNKS CONDUITS WILL BE IN A NEW TRENCH FROM EQUIPMENT AREA TO NEW MONOPINE.
 6. ALL EARTHWORK WILL BE BACKFILLED AFTER PLACEMENT OF NEW CONDUITS.



REV	DATE	DESCRIPTION
2	09/20/2017	PLANNING COMMENTS
1	09/07/2017	PLANNING COMMENTS
0	07/26/2017	100% ZD's
A	05/18/2017	90% ZD's FOR REVIEW

ISSUED DATE: SEPTEMBER 25, 2017

ISSUED FOR: 100% ZD SET

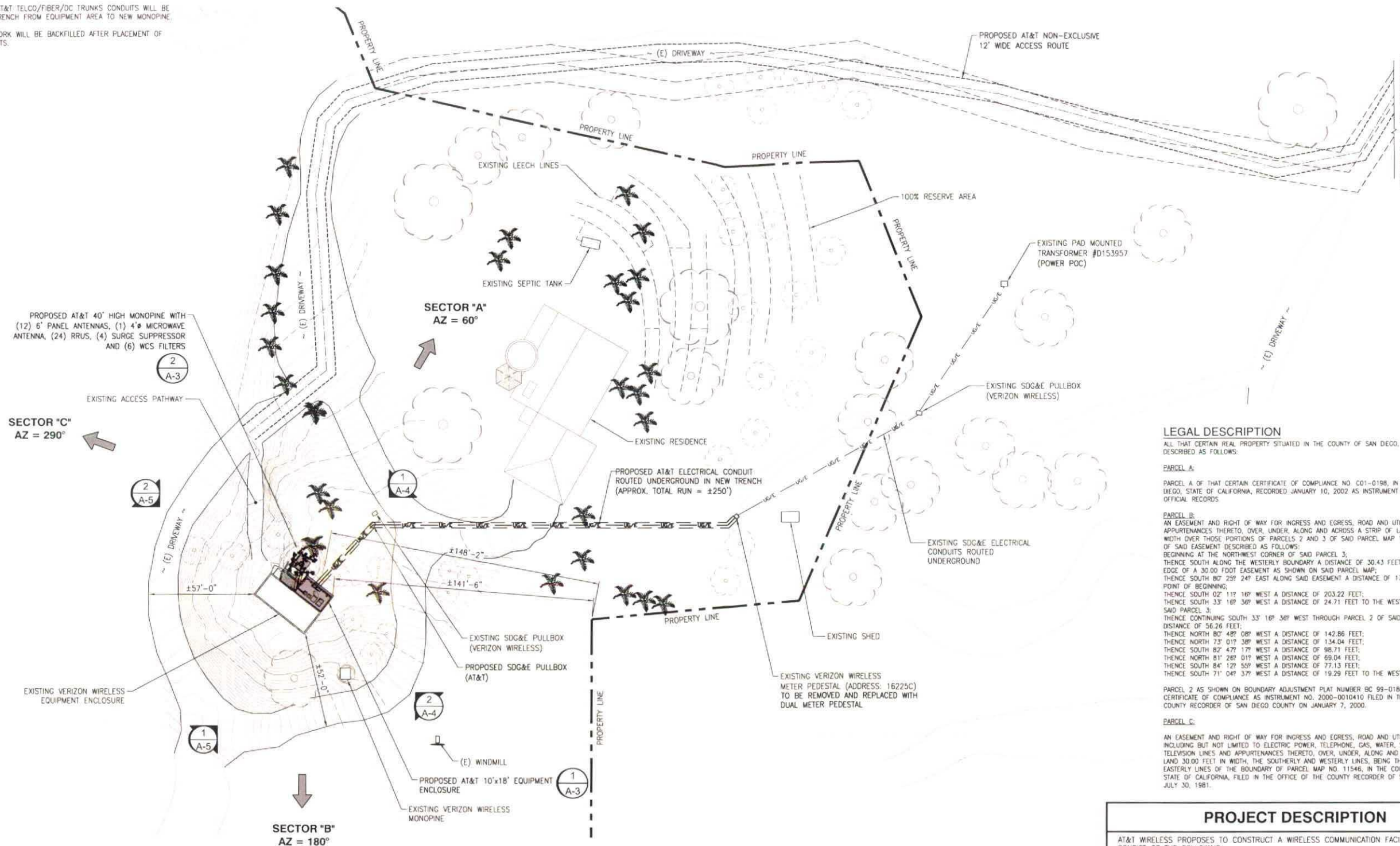
LICENSURE:

PROJECT INFORMATION:
CAL00570
HIGHLAND TRAILS
16225 HIGHLAND TRAILS DRIVE
RAMONA, CA 92065

DRAWN BY: SVF
CHECKED BY: RGG

SHEET TITLE: ENLARGED SITE PLAN

SHEET NUMBER: A-2



LEGAL DESCRIPTION

ALL THAT CERTAIN REAL PROPERTY SITUATED IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA DESCRIBED AS FOLLOWS:

PARCEL A:

PARCEL A OF THAT CERTAIN CERTIFICATE OF COMPLIANCE NO. C01-0198, IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, RECORDED JANUARY 10, 2002 AS INSTRUMENT NO. 2002-0022133 OF OFFICIAL RECORDS.

PARCEL B:

AN EASEMENT AND RIGHT OF WAY FOR INGRESS AND EGRESS, ROAD AND UTILITY PURPOSES, APPURTENANCES THERETO, OVER, UNDER, ALONG AND ACROSS A STRIP OF LAND 20.00 FEET IN WIDTH OVER THOSE PORTIONS OF PARCELS 2 AND 3 OF SAID PARCEL MAP 11546, THE CENTER LINE OF SAID EASEMENT DESCRIBED AS FOLLOWS:
BEGINNING AT THE NORTHWEST CORNER OF SAID PARCEL 3;
THENCE SOUTH ALONG THE WESTERLY BOUNDARY A DISTANCE OF 30.43 FEET TO THE SOUTHERLY EDGE OF A 30.00 FOOT EASEMENT AS SHOWN ON SAID PARCEL MAP;
THENCE SOUTH 80° 25' 24" EAST ALONG SAID EASEMENT A DISTANCE OF 17.74 FEET TO THE TRUE POINT OF BEGINNING;
THENCE SOUTH 02° 11' 16" WEST A DISTANCE OF 203.22 FEET;
THENCE SOUTH 33° 16' 36" WEST A DISTANCE OF 24.71 FEET TO THE WESTERLY BOUNDARY LINE OF SAID PARCEL 3;
THENCE CONTINUING SOUTH 33° 16' 36" WEST THROUGH PARCEL 2 OF SAID PARCEL MAP A DISTANCE OF 56.26 FEET;
THENCE NORTH 80° 48' 08" WEST A DISTANCE OF 142.86 FEET;
THENCE NORTH 73° 01' 38" WEST A DISTANCE OF 134.04 FEET;
THENCE SOUTH 82° 47' 17" WEST A DISTANCE OF 98.71 FEET;
THENCE NORTH 81° 26' 01" WEST A DISTANCE OF 69.04 FEET;
THENCE SOUTH 84° 12' 55" WEST A DISTANCE OF 77.13 FEET;
THENCE SOUTH 71° 04' 37" WEST A DISTANCE OF 19.29 FEET TO THE WESTERLY BOUNDARY OF SAID PARCEL 2 AS SHOWN ON BOUNDARY ADJUSTMENT PLAT NUMBER BC 99-0186 AND DESCRIBED IN CERTIFICATE OF COMPLIANCE AS INSTRUMENT NO. 2000-0010410 FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY ON JANUARY 7, 2000.

PARCEL C:

AN EASEMENT AND RIGHT OF WAY FOR INGRESS AND EGRESS, ROAD AND UTILITY PURPOSES, INCLUDING BUT NOT LIMITED TO ELECTRIC POWER, TELEPHONE, GAS, WATER, SEWER AND CABLE TELEVISION LINES AND APPURTENANCES THERETO, OVER, UNDER, ALONG AND ACROSS A STRIP OF LAND 30.00 FEET IN WIDTH, THE SOUTHERLY AND WESTERLY LINES, BEING THE NORTHERLY AND EASTERLY LINES OF THE BOUNDARY OF PARCEL MAP NO. 11546, IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, JULY 30, 1981.

PROJECT DESCRIPTION

AT&T WIRELESS PROPOSES TO CONSTRUCT A WIRELESS COMMUNICATION FACILITY. THE SCOPE WILL CONSIST OF THE FOLLOWING:

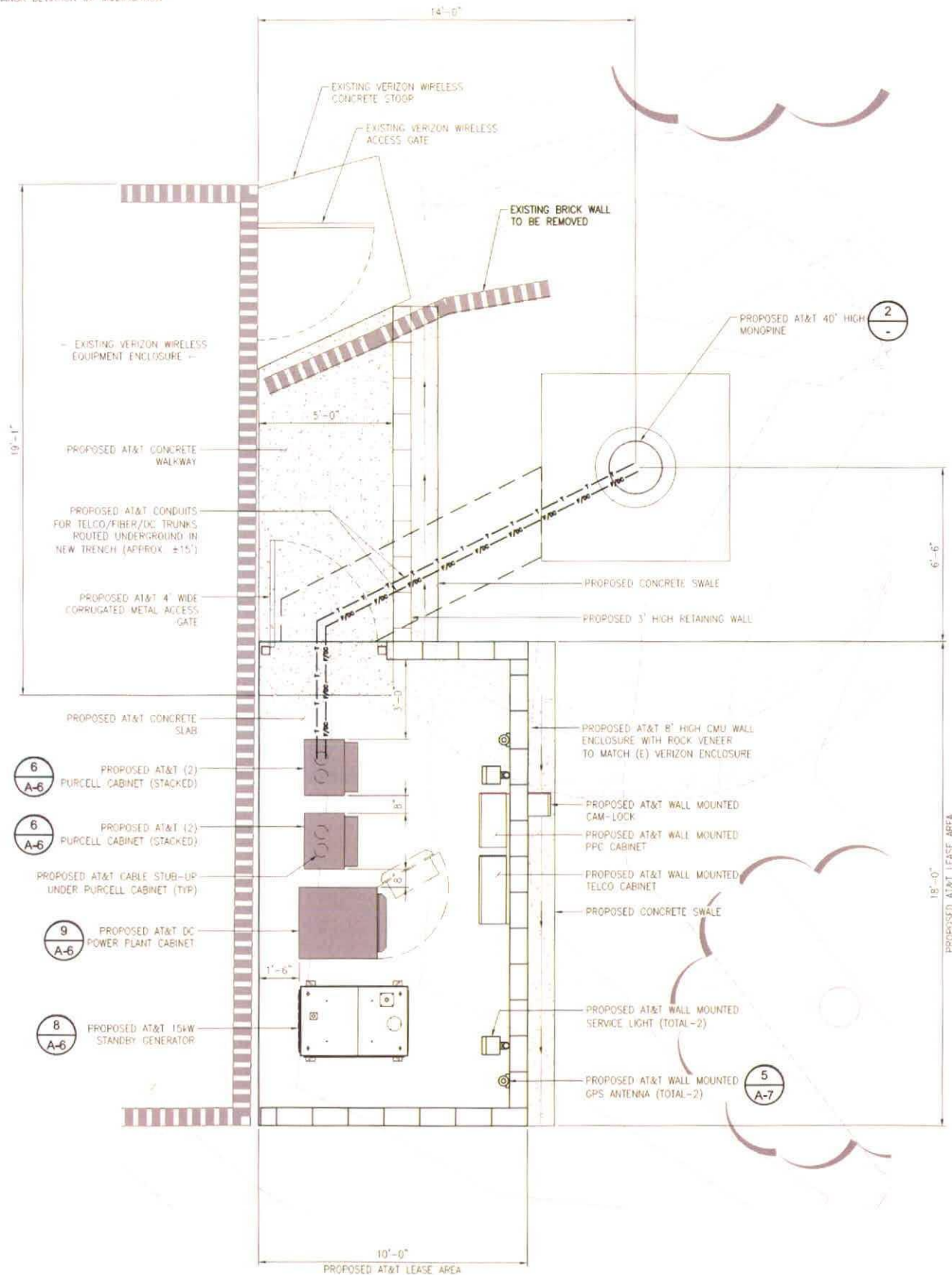
- INSTALL TELECOMMUNICATION EQUIPMENT INSIDE 18'x10'x8' HIGH CMU WALL ENCLOSURE
- INSTALL (2) GPS ANTENNA MOUNTED ON CMU WALL ENCLOSURE
- INSTALL (1) NEW METER PEDESTAL
- INSTALL (1) 40'-0" MONOPINE
- INSTALL (12) 6' PANEL ANTENNAS ON NEW MONOPINE
- INSTALL (18) RRUS BEHIND PANEL ANTENNAS ON NEW MONOPINE
- INSTALL (1) 4' MICROWAVE ANTENNA ON NEW MONOPINE
- INSTALL (4) SURGE SUPPRESSOR ON NEW MONOPINE
- INSTALL (3) WCS FILTERS BELOW PANEL ANTENNAS ON NEW MONOPINE

24"x36" SCALE: 1" = 30'-0"
11"x17" SCALE: 1" = 60'-0"



NOTES:

1. PROPOSED ANTENNAS, RRUS AND MOUNTING HARDWARE SHALL BE PAINTED DARK GREEN WITH PINE NEEDLE SOCKS FOR CONCEALMENT
2. THE PROPOSED LAYOUT IS PRELIMINARY AND SUBJECT TO CHANGE PENDING FULL STRUCTURAL AND GEOTECHNICAL ANALYSIS. ANY CHANGES (NOT IN SUBSTANTIAL CONFORMANCE) WOULD REQUIRE A MINOR DEVIATION OR MODIFICATION



PROPOSED EQUIPMENT LAYOUT

24"x36" SCALE: 3/8" = 1'-0"
11"x17" SCALE: 3/16" = 1'-0"

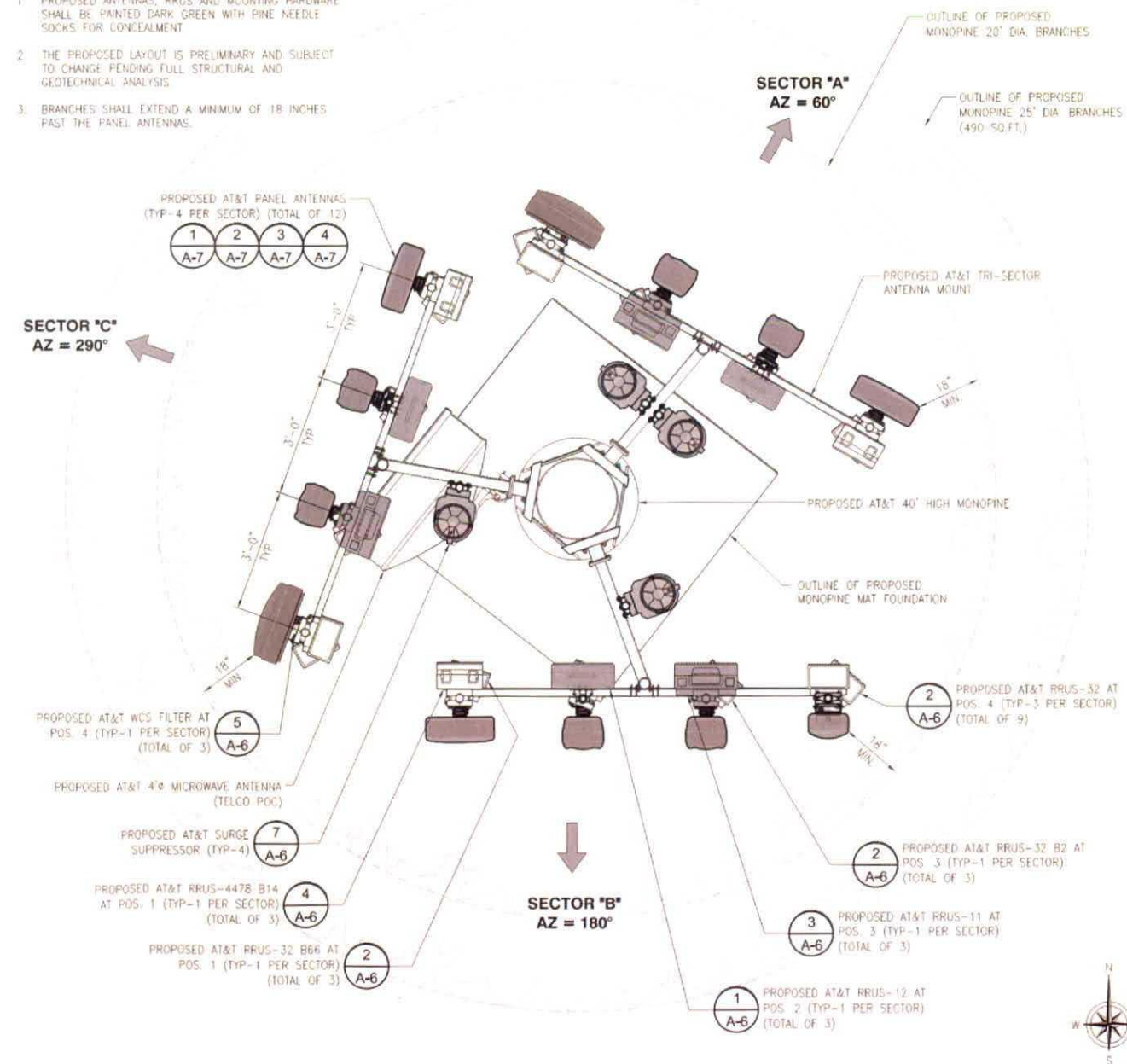
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PROPOSED ANTENNA SCHEDULE

ANTENNA POSITION	STATUS	RAD. CENTER	TECHNOLOGY	ANTENNA MAKE/MODEL	AZIMUTH	ANTENNA COUNT	FILTER/TMA MODEL	FILTER/TMA COUNT	TRANSMISSION LENGTH	TRANSMISSION TYPE(S)	RRUS MAKE/MODEL	RRUS COUNT
A1	PROPOSED	30'-0"	AWS/FNET	KATHREIN 800 10991 78.7"X20"WX6.9"D	60°	1	-	-	±50'-0"	HYBRID	ERICSSON RRUS 4478 B14	1
A2	PROPOSED	30'-0"	PCS	QUINTEL Q56658-3E 72"HX12"WX9.6"D	60°	1	-	-	±50'-0"		ERICSSON RRUS 32 B66	1
A3	PROPOSED	30'-0"	700/WCS	QUINTEL Q56658-3E 72"HX12"WX9.6"D	60°	1	-	-	±50'-0"		ERICSSON RRUS 12	1
A4	PROPOSED	30'-0"	FWLL	COI HPA-33R-BUU-H6 72"HX23.3"WX9.9"D	60°	1	WCS-IMFQ-AMT	1	±50'-0"		ERICSSON RRUS 32 B2	1
B1	PROPOSED	30'-0"	AWS/FNET	KATHREIN 800 10991 78.7"X20"WX6.9"D	180°	1	-	-	±50'-0"	HYBRID	ERICSSON RRUS 4478 B14	1
B2	PROPOSED	30'-0"	PCS	QUINTEL Q56658-3E 72"HX12"WX9.6"D	180°	1	-	-	±50'-0"		ERICSSON RRUS 32 B66	1
B3	PROPOSED	30'-0"	700/WCS	QUINTEL Q56658-3E 72"HX12"WX9.6"D	180°	1	-	-	±50'-0"		ERICSSON RRUS 12	1
B4	PROPOSED	30'-0"	FWLL	COMMScope 50NHH-10658 72"HX11.9"WX7.1"D	180°	1	WCS-IMFQ-AMT	1	±50'-0"		ERICSSON RRUS 32 B2	1
C1	PROPOSED	30'-0"	AWS/FNET	KATHREIN 800 10991 78.7"X20"WX6.9"D	290°	1	-	-	±50'-0"	HYBRID	ERICSSON RRUS 4478 B14	1
C2	PROPOSED	30'-0"	PCS	QUINTEL Q56658-3E 72"HX12"WX9.6"D	290°	1	-	-	±50'-0"		ERICSSON RRUS 32 B66	1
C3	PROPOSED	30'-0"	700/WCS	QUINTEL Q56658-3E 72"HX12"WX9.6"D	290°	1	-	-	±50'-0"		ERICSSON RRUS 12	1
C4	PROPOSED	30'-0"	FWLL	COI HPA-33R-BUU-H6 72"HX23.3"WX9.9"D	290°	1	WCS-IMFQ-AMT	1	±50'-0"		ERICSSON RRUS 32 B2	1

NOTES:

1. PROPOSED ANTENNAS, RRUS AND MOUNTING HARDWARE SHALL BE PAINTED DARK GREEN WITH PINE NEEDLE SOCKS FOR CONCEALMENT
2. THE PROPOSED LAYOUT IS PRELIMINARY AND SUBJECT TO CHANGE PENDING FULL STRUCTURAL AND GEOTECHNICAL ANALYSIS
3. BRANCHES SHALL EXTEND A MINIMUM OF 18 INCHES PAST THE PANEL ANTENNAS.



PROPOSED ANTENNA LAYOUT

24"x36" SCALE: 3/8" = 1'-0"
11"x17" SCALE: 3/16" = 1'-0"

2



75738 PACIFIC CENTER BLVD
SAN DIEGO, CA 92121



6886 MIPOSA DRIVE
CARLSBAD, CA 92011



10650 SCRIPPS RANCH BLVD.,
SUITE 114
SAN DIEGO, CA 92131
Tel: (858) 368-9241 Fax: (858) 505-2977

ISSUED DATE:

SEPTEMBER 25, 2017

ISSUED FOR:

100% ZD SET

LICENSURE:

PROJECT INFORMATION:

CAL00570

HIGHLAND TRAILS

16225 HIGHLAND TRAILS DRIVE
RAMONA, CA 92065

DRAWN BY:

SVF

CHECKED BY:

RGG

SHEET TITLE:

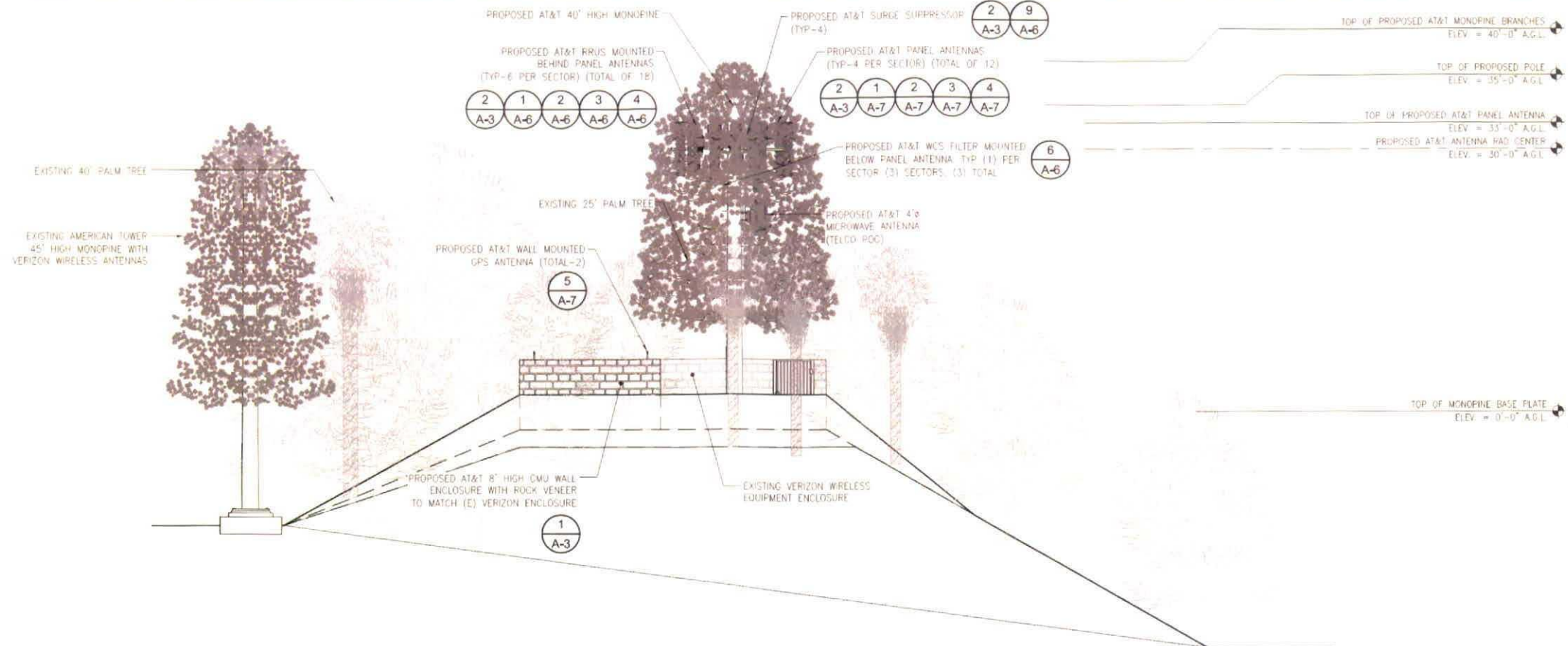
EQUIPMENT LAYOUT,
ANTENNA PLAN AND
ANTENNA SCHEDULE

SHEET NUMBER:

A-3

NOTES

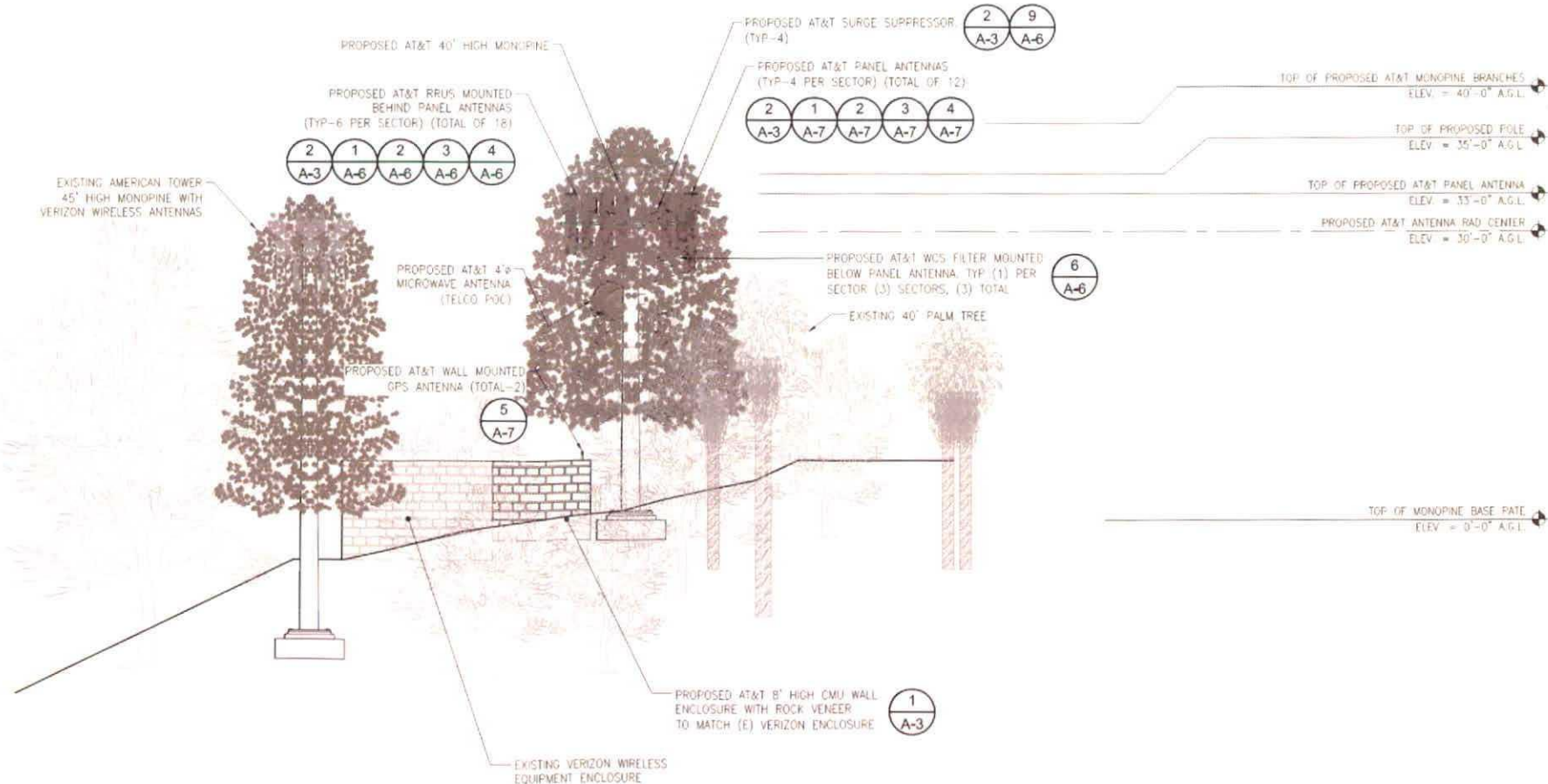
1. PROPOSED ANTENNAS, RRUS AND MOUNTING HARDWARE SHALL BE PAINTED DARK GREEN WITH PINE NEEDLE SOCKS FOR CONCEALMENT.
2. THE PROPOSED LAYOUT IS PRELIMINARY AND SUBJECT TO CHANGE PENDING FULL STRUCTURAL AND GEOTECHNICAL ANALYSIS.
3. BRANCHES SHALL EXTEND A MINIMUM OF 18 INCHES PAST THE PANEL ANTENNAS.



NORTHEAST ELEVATION

NOTES

1. PROPOSED ANTENNAS, RRUS AND MOUNTING HARDWARE SHALL BE PAINTED DARK GREEN WITH PINE NEEDLE SOCKS FOR CONCEALMENT.
2. THE PROPOSED LAYOUT IS PRELIMINARY AND SUBJECT TO CHANGE PENDING FULL STRUCTURAL AND GEOTECHNICAL ANALYSIS.
3. BRANCHES SHALL EXTEND A MINIMUM OF 18 INCHES PAST THE PANEL ANTENNAS.



SOUTHEAST ELEVATION



75738 PACIFIC CENTER BLVD
SAN DIEGO, CA 92121



6886 MINOSA DRIVE
CARLSBAD, CA 92011



10650 SCRIPPS RANCH BLVD.,
SUITE 114
SAN DIEGO, CA 92131
tel: (858) 368-9241 | fax: (888) 505-2977

REV	DATE	DESCRIPTION
2	09/20/2017	PLANNING COMMENTS
1	09/07/2017	PLANNING COMMENTS
0	07/26/2017	100% ZD's
A	05/18/2017	90% ZD's FOR REVIEW

ISSUED DATE: SEPTEMBER 25, 2017

ISSUED FOR: 100% ZD SET

LICENSURE:

PROJECT INFORMATION:

CAL00570

HIGHLAND TRAILS

16225 HIGHLAND TRAILS DRIVE
RAMONA, CA 92065

DRAWN BY:

SVF

CHECKED BY:

RGG

SHEET TITLE:

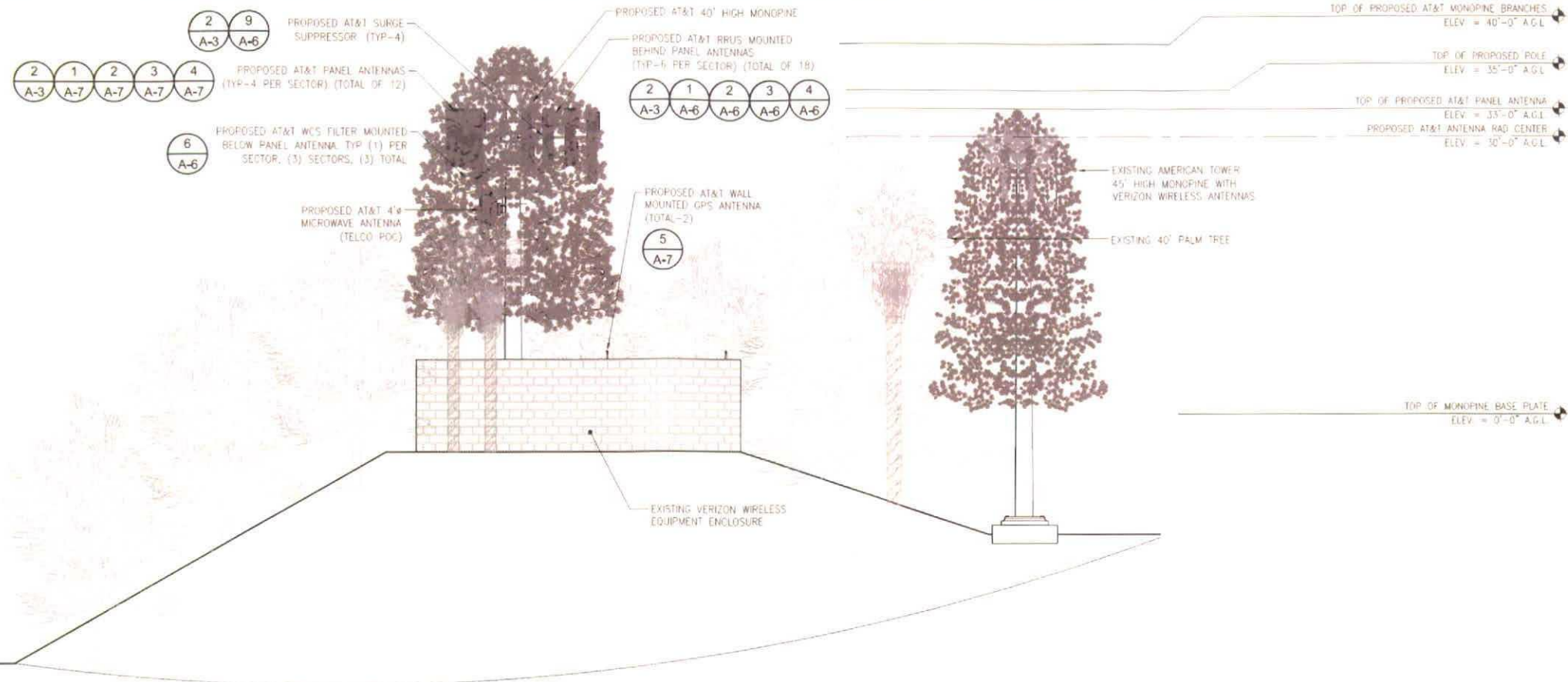
ELEVATIONS

SHEET NUMBER:

A-4

NOTES:

1. PROPOSED ANTENNAS, RRUS AND MOUNTING HARDWARE SHALL BE PAINTED DARK GREEN WITH PINE NEEDLE SOCKS FOR CONCEALMENT.
2. THE PROPOSED LAYOUT IS PRELIMINARY AND SUBJECT TO CHANGE PENDING FULL STRUCTURAL AND GEOTECHNICAL ANALYSIS.
3. BRANCHES SHALL EXTEND A MINIMUM OF 18 INCHES PAST THE PANEL ANTENNAS.



SOUTHWEST ELEVATION

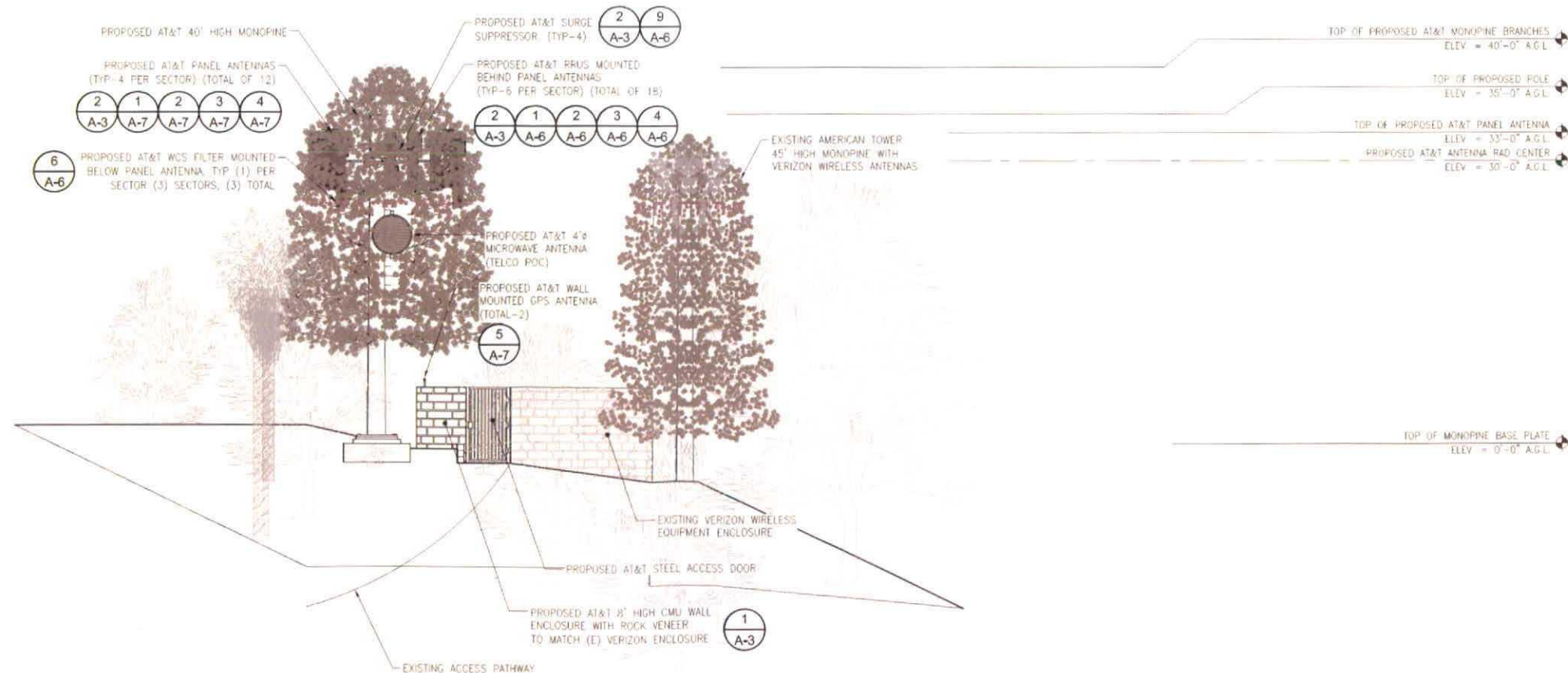
24"x36" SCALE: 1/8" = 1'-0"
11"x17" SCALE: 1/16" = 1'-0"



1

NOTES:

1. PROPOSED ANTENNAS, RRUS AND MOUNTING HARDWARE SHALL BE PAINTED DARK GREEN WITH PINE NEEDLE SOCKS FOR CONCEALMENT.
2. THE PROPOSED LAYOUT IS PRELIMINARY AND SUBJECT TO CHANGE PENDING FULL STRUCTURAL AND GEOTECHNICAL ANALYSIS.
3. BRANCHES SHALL EXTEND A MINIMUM OF 18 INCHES PAST THE PANEL ANTENNAS.



NORTHWEST ELEVATION

24"x36" SCALE: 1/8" = 1'-0"
11"x17" SCALE: 1/16" = 1'-0"



2



7573B PACIFIC CENTER BLVD
SAN DIEGO, CA 92121



6886 MIMOSA DRIVE
CARLSBAD, CA 92011



10650 SCRIPPS RANCH BLVD.,
SUITE 114
SAN DIEGO, CA 92131
Tel: (858) 368-9241 | Fax: (858) 505-2977

REV	DATE	DESCRIPTION
2	09/20/2017	PLANNING COMMENTS
1	09/07/2017	PLANNING COMMENTS
0	07/26/2017	100% ZD's
A	05/18/2017	90% ZD's FOR REVIEW

ISSUED DATE: SEPTEMBER 25, 2017

ISSUED FOR: 100% ZD SET

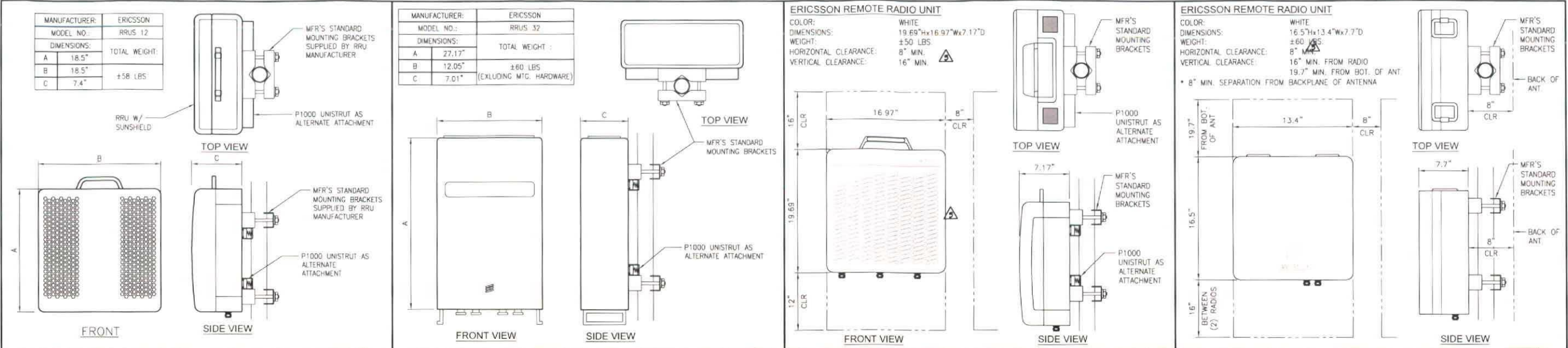
LICENSURE:

PROJECT INFORMATION:
CAL00570
HIGHLAND TRAILS
16225 HIGHLAND TRAILS DRIVE
RAMONA, CA 92065

DRAWN BY: SVF
CHECKED BY: RGG

SHEET TITLE: ELEVATIONS

SHEET NUMBER: A-5

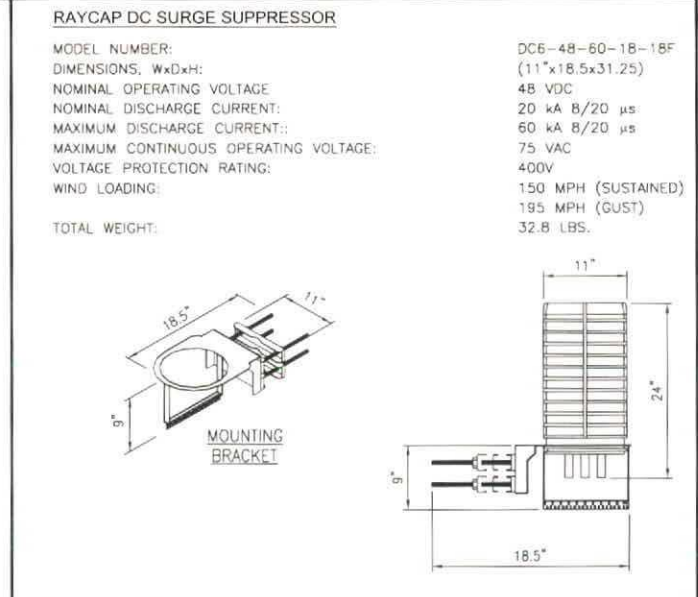
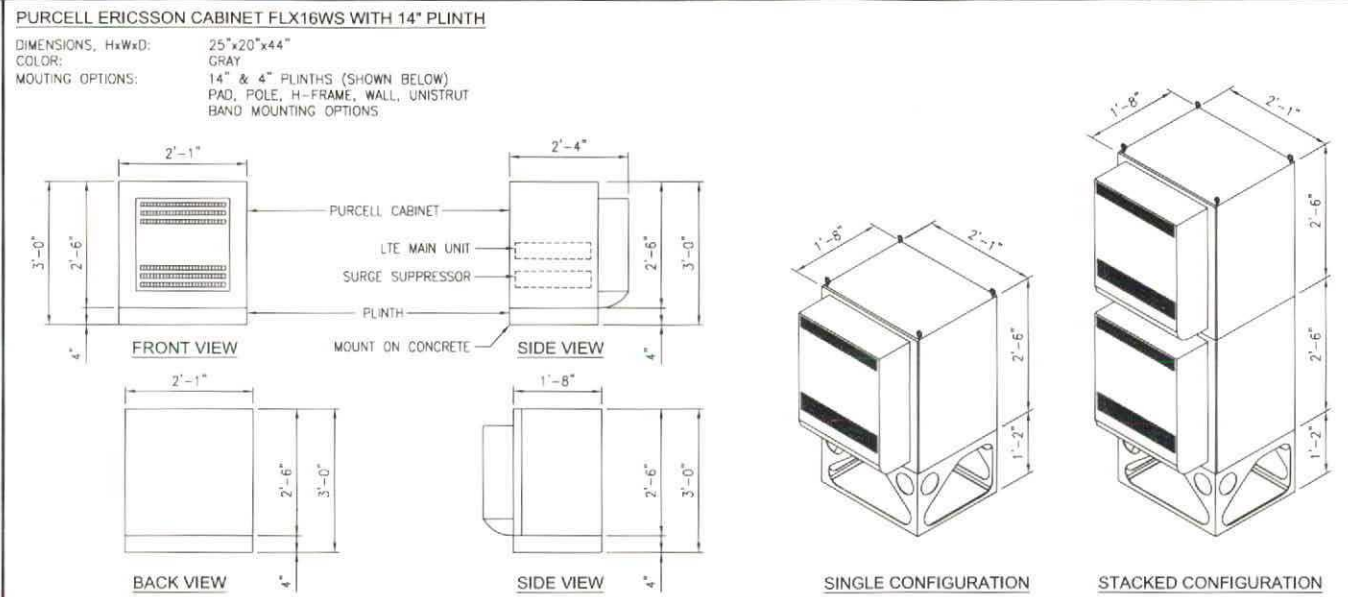
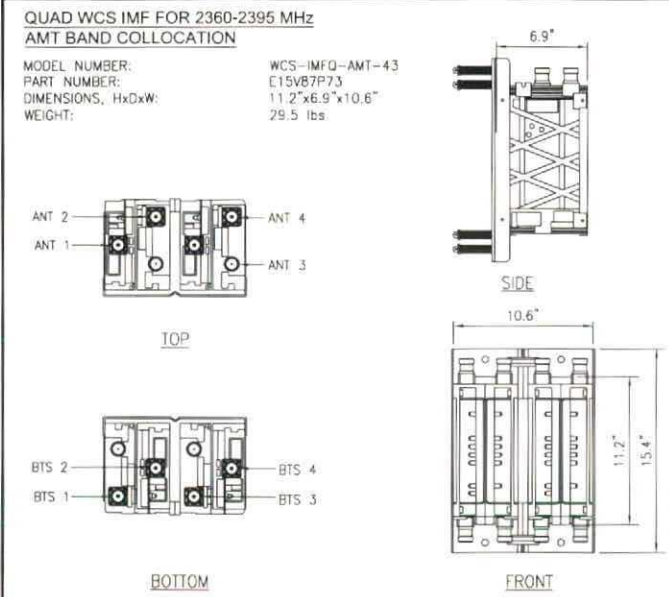


RRUS-12 REMOTE RADIO UNIT 24"x36" SCALE: NTS 11"x17" SCALE: NTS 1

RRUS-32 REMOTE RADIO UNIT 24"x36" SCALE: NTS 11"x17" SCALE: NTS 2

RRUS-11 REMOTE RADIO UNIT 24"x36" SCALE: NTS 11"x17" SCALE: NTS 3

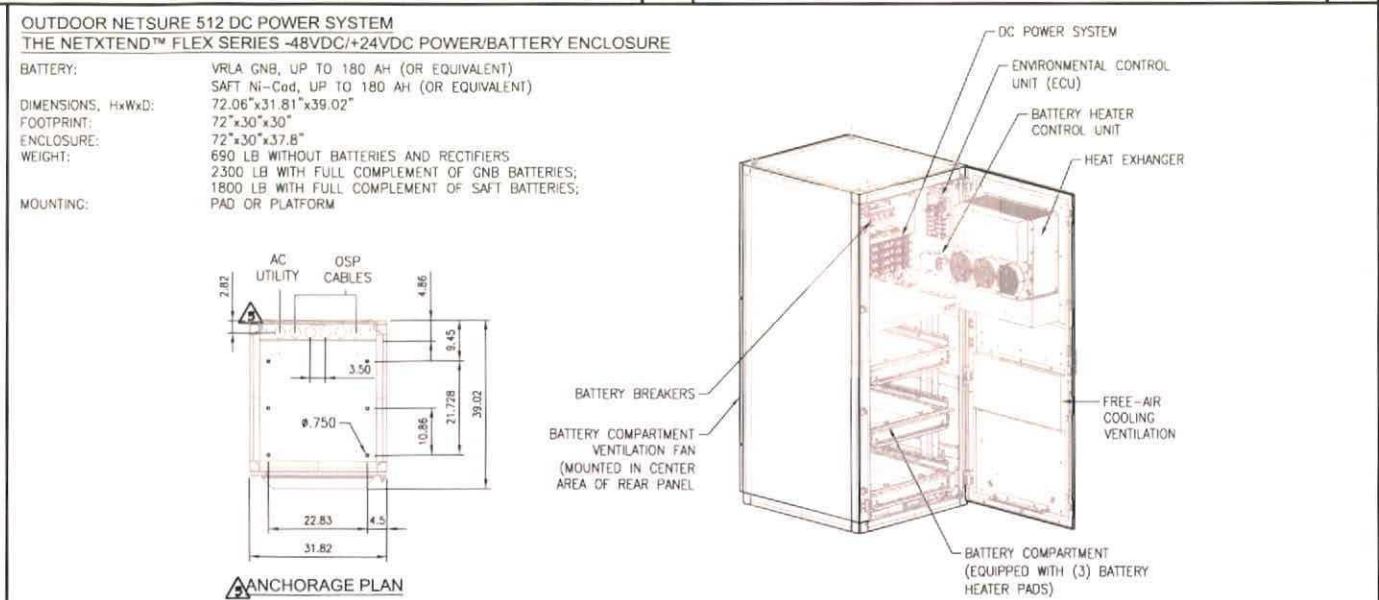
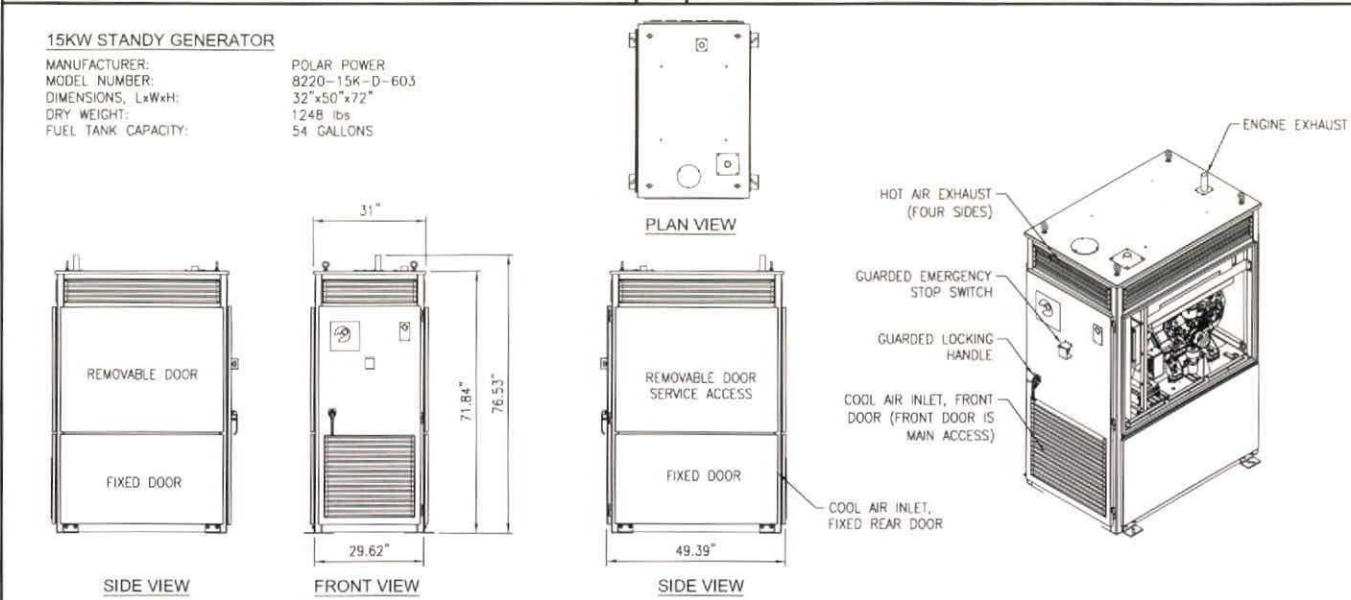
RRUS-4478 (B14) 24"x36" SCALE: NTS 11"x17" SCALE: NTS 4



WCS FILTER DETAIL 24"x36" SCALE: NTS 11"x17" SCALE: NTS 5

PURCELL CABINET DETAIL 24"x36" SCALE: NTS 11"x17" SCALE: NTS 6

DC SURGE SUPPRESSOR 24"x36" SCALE: NTS 11"x17" SCALE: NTS 7



15KW GENERATOR DETAIL 24"x36" SCALE: NTS 11"x17" SCALE: NTS 8

DC POWER PLANT CABINET 24"x36" SCALE: NTS 11"x17" SCALE: NTS 9



REV	DATE	DESCRIPTION
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A	05/18/2017	90% ZD's FOR REVIEW

ISSUED DATE: SEPTEMBER 25, 2017

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LICENSURE:

PROJECT INFORMATION:
CAL00570
HIGHLAND TRAILS
16225 HIGHLAND TRAILS DRIVE
RAMONA, CA 92065

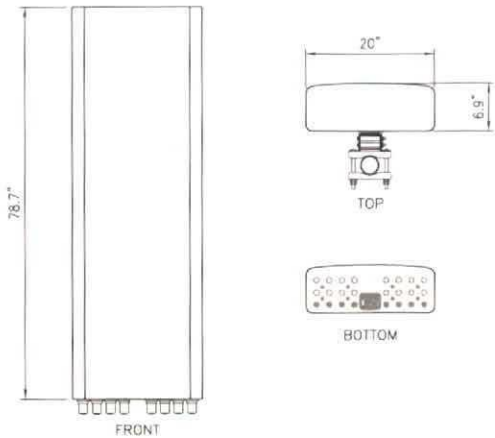
DRAWN BY: SVF
CHECKED BY: RGG

SHEET TITLE: EQUIPMENT DETAILS

SHEET NUMBER: A-6

KATHREIN 80010991

DIMENSIONS: 78.7"x20"x6.9"
WEIGHT: 97.6 LBS.
FREQUENCY RANGE: 698-806 MHz
2490-2690 MHz
STANDARD MOUNTING: INCLUDED FOR 2.2" TO 4.5" STD. PIPE
CONNECTORS: 12x 4.3-10 FEMALE



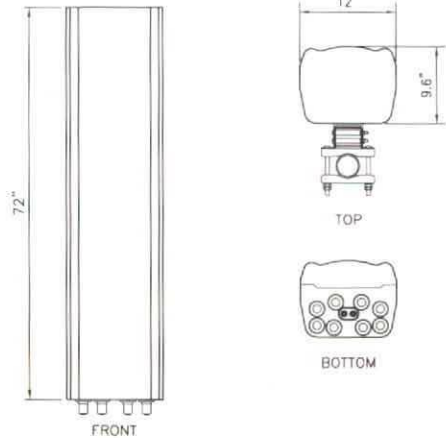
ANTENNA DETAIL

24"x36" SCALE: NTS
11"x17" SCALE: NTS

1

QUINTEL QS6658-3E

DIMENSIONS: 72"x12"x9.6"
WEIGHT: 77 LBS
FREQUENCY RANGE: 698-787 MHz
1710-2400 MHz
STANDARD MOUNTING: INCLUDED FOR 1.18" TO 4.72" STD. PIPE
CONNECTORS: 8x 7/16 DIN FEMALE LONG NECK

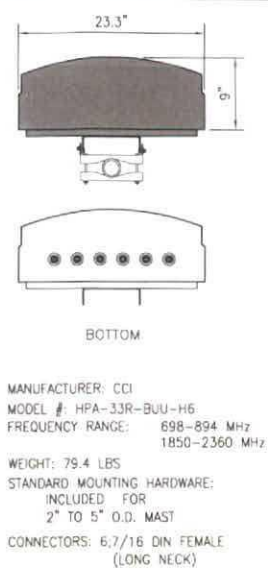


ANTENNA DETAIL

24"x36" SCALE: NTS
11"x17" SCALE: NTS

2

ANTENNA DETAIL



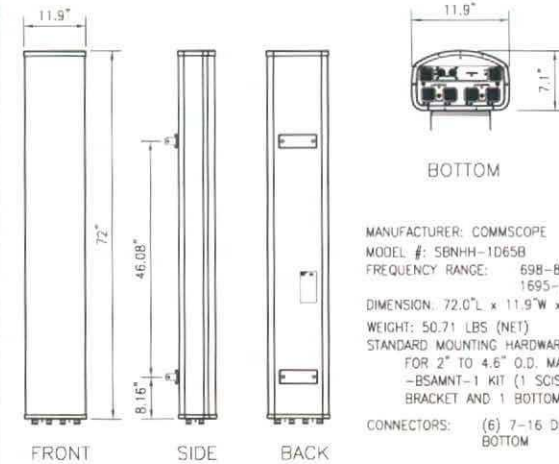
MANUFACTURER: CCI
MODEL #: HPA-33R-BUJ-H6
FREQUENCY RANGE: 698-894 MHz
1850-2360 MHz
WEIGHT: 79.4 LBS
STANDARD MOUNTING HARDWARE:
INCLUDED FOR
2" TO 5" O.D. MAST
CONNECTORS: 6.7/16 DIN FEMALE
(LONG NECK)

ANTENNA DETAIL

24"x36" SCALE: NTS
11"x17" SCALE: NTS

3

ANTENNA DETAIL



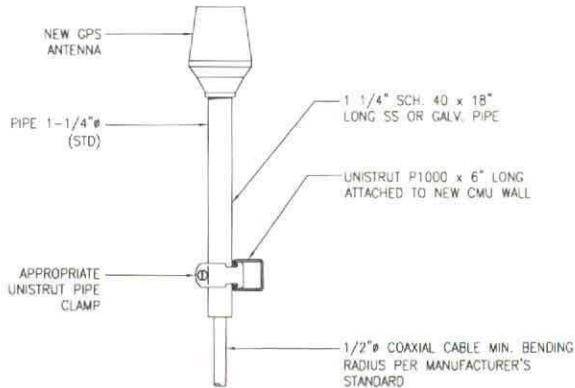
MANUFACTURER: COMMScope
MODEL #: SBNHH-1065B
FREQUENCY RANGE: 698-896 MHz
1695-2360 MHz
DIMENSION: 72.0"L x 11.9"W x 7.1"D
WEIGHT: 50.71 LBS (NET)
STANDARD MOUNTING HARDWARE:
FOR 2" TO 4.6" O.D. MAST
-BSAMNT-1 KIT (1 SCISSOR TOP
BRACKET AND 1 BOTTOM BRACKET SET)
CONNECTORS: (6) 7-16 DIN FEMALE
BOTTOM

24"x36" SCALE: NTS
11"x17" SCALE: NTS

4

NOTES:

1. THE GPS ANTENNA MOUNT IS DESIGNED TO FASTEN TO A STANDARD 1-1/4" SCHEDULE 40, GALVANIZED STEEL OR STAINLESS STEEL PIPE. THE PIPE MUST NOT BE THREADED AT THE ANTENNA STEEL PIPE. THE PIPE MUST NOT BE THREADED AT THE ANTENNA MOUNT END. THE PIPE SHALL BE CUT TO THE REQUIRED LENGTH (MINIMUM OF 18") USING A HAND OR ROTARY PIPE CUTTER TO ASSURE A SMOOTH AND PERPENDICULAR CUT. A HACK SAW SHALL NOT BE USED. THE CUT PIPE END SHALL BE DEBURRED AND SMOOTH IN ORDER TO SEAL AGAINST THE NEOPRENE GASKET ATTACHED TO THE ANTENNA MOUNT.



GPS ANTENNA DETAIL

24"x36" SCALE: NTS
11"x17" SCALE: NTS

5

NOT USED

24"x36" SCALE: NTS
11"x17" SCALE: NTS

6

NOT USED

24"x36" SCALE: NTS
11"x17" SCALE: NTS

7

NOT USED

24"x36" SCALE: NTS
11"x17" SCALE: NTS

8

NOT USED

24"x36" SCALE: NTS
11"x17" SCALE: NTS

9

NOT USED

24"x36" SCALE: NTS
11"x17" SCALE: NTS

10

NOT USED

24"x36" SCALE: NTS
11"x17" SCALE: NTS

11

NOT USED

24"x36" SCALE: NTS
11"x17" SCALE: NTS

12



REV	DATE	DESCRIPTION
2	09/20/2017	PLANNING COMMENTS
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A	05/18/2017	90% ZD's FOR REVIEW

ISSUED DATE: SEPTEMBER 25, 2017

ISSUED FOR: 100% ZD SET

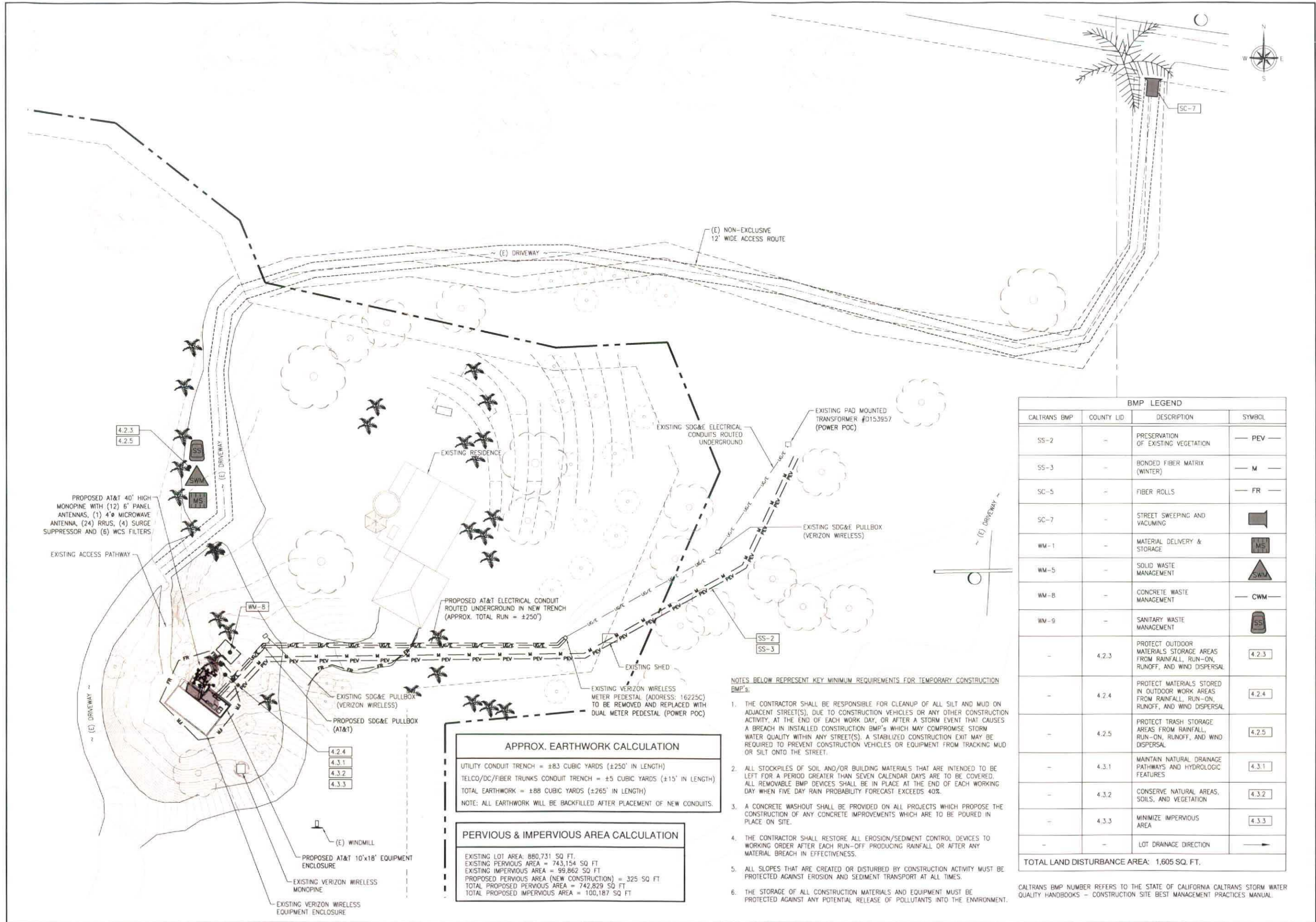
LICENSURE:

PROJECT INFORMATION: CAL00570
HIGHLAND TRAILS
16225 HIGHLAND TRAILS DRIVE
RAMONA, CA 92065

DRAWN BY: SVF
CHECKED BY: RGG

SHEET TITLE: EQUIPMENT DETAILS

SHEET NUMBER: A-7



APPROX. EARTHWORK CALCULATION	
UTILITY CONDUIT TRENCH = ±83 CUBIC YARDS (±250' IN LENGTH)	
TELCO/DC/FIBER TRUNKS CONDUIT TRENCH = ±5 CUBIC YARDS (±15' IN LENGTH)	
TOTAL EARTHWORK = ±88 CUBIC YARDS (±265' IN LENGTH)	
NOTE: ALL EARTHWORK WILL BE BACKFILLED AFTER PLACEMENT OF NEW CONDUITS.	

PERVIOUS & IMPERVIOUS AREA CALCULATION	
EXISTING LOT AREA = 880,731 SQ. FT.	
EXISTING PERVIOUS AREA = 743,154 SQ. FT.	
EXISTING IMPERVIOUS AREA = 99,862 SQ. FT.	
PROPOSED PERVIOUS AREA (NEW CONSTRUCTION) = 325 SQ. FT.	
TOTAL PROPOSED PERVIOUS AREA = 742,829 SQ. FT.	
TOTAL PROPOSED IMPERVIOUS AREA = 100,187 SQ. FT.	

BMP LEGEND			
CALTRANS BMP	COUNTY LID	DESCRIPTION	SYMBOL
SS-2	-	PRESERVATION OF EXISTING VEGETATION	PEV
SS-3	-	BONDED FIBER MATRIX (WINTER)	M
SC-5	-	FIBER ROLLS	FR
SC-7	-	STREET SWEEPING AND VACUUMING	SWV
WM-1	-	MATERIAL DELIVERY & STORAGE	MS
WM-5	-	SOLID WASTE MANAGEMENT	SWM
WM-8	-	CONCRETE WASTE MANAGEMENT	CWM
WM-9	-	SANITARY WASTE MANAGEMENT	SS
-	4.2.3	PROTECT OUTDOOR MATERIALS STORAGE AREAS FROM RAINFALL, RUN-ON, RUNOFF, AND WIND DISPERSAL	4.2.3
-	4.2.4	PROTECT MATERIALS STORED IN OUTDOOR WORK AREAS FROM RAINFALL, RUN-ON, RUNOFF, AND WIND DISPERSAL	4.2.4
-	4.2.5	PROTECT TRASH STORAGE AREAS FROM RAINFALL, RUN-ON, RUNOFF, AND WIND DISPERSAL	4.2.5
-	4.3.1	MAINTAIN NATURAL DRAINAGE PATHWAYS AND HYDROLOGIC FEATURES	4.3.1
-	4.3.2	CONSERVE NATURAL AREAS, SOILS, AND VEGETATION	4.3.2
-	4.3.3	MINIMIZE IMPERVIOUS AREA	4.3.3
-	-	LOT DRAINAGE DIRECTION	→
TOTAL LAND DISTURBANCE AREA: 1,605 SQ. FT.			

- NOTES BELOW REPRESENT KEY MINIMUM REQUIREMENTS FOR TEMPORARY CONSTRUCTION BMP'S:
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP OF ALL SILT AND MUD ON ADJACENT STREET(S), DUE TO CONSTRUCTION VEHICLES OR ANY OTHER CONSTRUCTION ACTIVITY, AT THE END OF EACH WORK DAY, OR AFTER A STORM EVENT THAT CAUSES A BREACH IN INSTALLED CONSTRUCTION BMP'S WHICH MAY COMPROMISE STORM WATER QUALITY WITHIN ANY STREET(S). A STABILIZED CONSTRUCTION EXIT MAY BE REQUIRED TO PREVENT CONSTRUCTION VEHICLES OR EQUIPMENT FROM TRACKING MUD OR SILT ONTO THE STREET.
 - ALL STOCKPILES OF SOIL AND/OR BUILDING MATERIALS THAT ARE INTENDED TO BE LEFT FOR A PERIOD GREATER THAN SEVEN CALENDAR DAYS ARE TO BE COVERED. ALL REMOVABLE BMP DEVICES SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN FIVE DAY RAIN PROBABILITY FORECAST EXCEEDS 40%.
 - A CONCRETE WASHOUT SHALL BE PROVIDED ON ALL PROJECTS WHICH PROPOSE THE CONSTRUCTION OF ANY CONCRETE IMPROVEMENTS WHICH ARE TO BE POURED IN PLACE ON SITE.
 - THE CONTRACTOR SHALL RESTORE ALL EROSION/SEDIMENT CONTROL DEVICES TO WORKING ORDER AFTER EACH RUN-OFF PRODUCING RAINFALL OR AFTER ANY MATERIAL BREACH IN EFFECTIVENESS.
 - ALL SLOPES THAT ARE CREATED OR DISTURBED BY CONSTRUCTION ACTIVITY MUST BE PROTECTED AGAINST EROSION AND SEDIMENT TRANSPORT AT ALL TIMES.
 - THE STORAGE OF ALL CONSTRUCTION MATERIALS AND EQUIPMENT MUST BE PROTECTED AGAINST ANY POTENTIAL RELEASE OF POLLUTANTS INTO THE ENVIRONMENT.

CALTRANS BMP NUMBER REFERS TO THE STATE OF CALIFORNIA CALTRANS STORM WATER QUALITY HANDBOOKS - CONSTRUCTION SITE BEST MANAGEMENT PRACTICES MANUAL.



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REV	DATE	DESCRIPTION
2	09/20/2017	PLANNING COMMENTS
1	09/07/2017	PLANNING COMMENTS
0	07/26/2017	100% ZD'S
A	05/18/2017	90% ZD'S FOR REVIEW

ISSUED DATE:
SEPTEMBER 25, 2017

ISSUED FOR:
100% ZD SET

LICENSURE:

PROJECT INFORMATION:
CAL00570
HIGHLAND TRAILS
16225 HIGHLAND TRAILS DRIVE
RAMONA, CA 92065

DRAWN BY: SVF
CHECKED BY: RGG

SHEET TITLE:
BMP
SITE PLAN

SHEET NUMBER:
A-8